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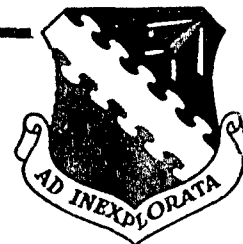
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**APPENDIX III, VOLUME I OF II  
CATEGORY II DESERT TEST  
OF THE  
HH-53C HELICOPTER**

JOHN L. BARBAGALLO  
Systems Engineer

TECHNICAL REPORT No. 71-43

MAY 1973



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AF FTC-TR-71-43 - App. 3, Vol. 1-1

**APPENDIX III, VOLUME I, ~~1~~**  
**CATEGORY II DESERT TEST**  
**OF THE**  
**HH-53C HELICOPTER.**

JOHN L. BARBAGALLO  
Systems Engineer

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## FOREWORD

This report presents selected detailed test data accumulated during the desert phase of the Category II climatic tests of the HH-53C helicopter. The Desert Test phase was conducted from 14 June to 7 August 1971. The test helicopter, S/N 68-10354, was a rescue version of the H-53.

Test results, conclusions and recommendations are presented in the basic report: Category II Desert Test of the HH-53C Helicopter, FTC-TR-71-43, September 1971.

Test authority for the program was AFFTC Project Directive No. 71-24.

Foreign announcement and dissemination by the Defense Documentation Center are not authorized because of technology restrictions of the U.S. Export Control Acts as implemented by AFR 400-10.

Prepared by

*John L. Barbagallo*

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Systems Engineer

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## list of abbreviations

| <u>Item</u>    | <u>Definition</u>                             | <u>Units</u>  |
|----------------|-----------------------------------------------|---------------|
| ac             | alternating electric current                  | - - -         |
| AFCS           | automatic flight control system               | - - -         |
| AGE            | aerospace ground equipment                    | - - -         |
| APP            | auxiliary power plant                         | - - -         |
| ASD            | Aeronautical Systems Division                 | - - -         |
| C.A.           | chromel alumel (type of thermocouple)         | - - -         |
| CTR, C/N       | instrumentation sweep counter number          | - - -         |
| dc             | direct electrical current                     | - - -         |
| dig            | digital (type of instrumentation system)      | - - -         |
| D/P            | differential pressure                         | lb per sq in. |
| EAPS           | engine air particle separator                 | - - -         |
| EGT            | exhaust gas temperature                       | deg C         |
| FOD            | foreign object damage                         | - - -         |
| GET            | General Electric Company test parameter       | - - -         |
| I.C.           | iron constantin (type of thermocouple)        | - - -         |
| IGB            | intermediate gearbox                          | - - -         |
| LH             | left hand                                     | - - -         |
| N <sub>f</sub> | power turbine speed                           | pct rpm       |
| N <sub>g</sub> | gas generator speed                           | pct rpm       |
| NGB            | nose gearbox                                  | - - -         |
| N <sub>r</sub> | rotor speed                                   | pct rpm       |
| OAT            | outside air temperature                       | deg C         |
| psi            | pounds per square inch                        | - - -         |
| psid           | pounds per square inch, differential pressure | - - -         |
| psig           | pounds per square inch, gauge pressure        | - - -         |
| Press.         | pressure                                      | lb per sq in. |
| RH             | right hand                                    | - - -         |
| T <sub>5</sub> | turbine inlet temperature                     | deg C         |

# TEST SYNOPSIS AND DATA

## GENERAL

The desert test phase consisted of 29 tests: twenty one test flights; four aborted test flights; and four ground tests.

A summary of all the tests is presented in table I.

Eight test runs were selected as yielding the best data. These were runs 2, 7-11, 17, and 25. Data from these selected tests are presented in this appendix. Portions of the data have been deleted when it was evident that errors existed because of instrumentation malfunction.

## AIRCRAFT INSTRUMENTATION

The aircraft instrumentation consisted of a low speed digital tape recording system and a photopanel mounted on a test table. All of these were connected to the aircraft test instrumentation wiring in the aircraft. The Air Force furnished the instrumentation systems and the contractor (Sikorsky Aircraft Corp) instrumented the aircraft. The photopanel was capable of recording much faster than the digital tape recording system and therefore was particularly useful for recording data during APP and engine starts. Excluding the reference and time parameters, there were approximately 195 parameters recorded on the digital tape recording system and approximately 40 parameters recorded on the photopanel system. The aircraft test instrumentation was normally operated for each test mission from preflight to after engine shutdown.

The digital tape system was capable of recording a complete sweep of all parameters in approximately 20 seconds. The parameter sweep and the interval between sweeps could be varied.

The photopanel camera was capable of operating at a maximum speed of four frames per second to record rapid transients. The camera control could be slaved to the digital system so that a frame of photopanel data would be recorded for each digital sweep.

Data reduction of the information recorded on the digital tape was accomplished by utilizing computer processing resulting in data printed in tabular format. The computer processing system also provided the capability of selected data printout in graphical format.

## GROUND STATION INSTRUMENTATION

The following ground station instrumentation was used:

Desert test ramp and air temperature - Ramp temperature and air temperature near the aircraft was recorded continuously during the aircraft soak and test period. Air temperature was measured from one inch to 15 feet above the ramp.

Desert test solar radiation - Solar radiation was recorded during the aircraft soak and test period.

Data playback unit (quick look data printer) - This data playback unit was used for all test phases. It was capable of providing printed tabular "raw" data from the aircraft digital instrumentation recorder tape. The raw data had to be manually converted to real data. It was used to obtain information for trouble shooting the aircraft digital instrumentation system or to monitor suspected problem areas in the aircraft systems.

#### PARAMETER LISTING

The aircraft test parameters are listed as follows:

Table II - Photo Recorder

Table III - Digital

#### HOW TO USE THE TABULATED DIGITAL DATA

Following are the reduced, edited, and tabulated digital data from the desert tests. Each of the tests was selected for the most representative climatic data or to document specific subsystem tests. Data are presented for each temperature level and test condition. In the tabulated data that follow, the individual digital test parameters (temperature, pressure, rpm, etc.) are designated by three numbers (such as 1-01) and the abbreviated name of the parameter (see table III for unabbreviated names). The first number from 1 to 8 of the three-number designation is the switch box number. Generally, boxes one and two contain pressure, flow, rpm, and engine power parameters, while boxes three through eight contain temperature parameters. The second two numbers in the designation (01 to 29) give the step position within the box.

Elapsed time is given in minutes and seconds (hours for soak data). The first column of numbers on each page is entitled SWEEP COUNT. This column lists the number of times that the test parameters have been sampled at any particular time. The numbers in the column are referred to as counter numbers (C/N). The counter numbers are cumulative and are used to identify events and to correlate data with events. The correlation of the data trends throughout each test is made by referring to the applicable event sheet for the tabulated data for each flight, noting the counter number at which an event took place, and then referring to the data at that counter number. The elapsed time between counter numbers is normally about 20 seconds, but could be varied by the operator.

Unless otherwise noted, an asterisk indicates that a data point has been removed because of defective instrumentation or other causes resulting in erroneous data.

Table I  
TEST SUMMARY

| Run | Date<br>(1971) | Surface Conditions During<br>Test Period (Includes Any Soak) |     |                                                |     | Tests                                                                                                                                                                          | Flight<br>Time<br>(hrs:min) | Comments                                                                                                                                                  |
|-----|----------------|--------------------------------------------------------------|-----|------------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                | Temperature<br>(deg F)                                       |     | Solar Radiation<br>(BTU/hr/ft <sup>2</sup> )** |     |                                                                                                                                                                                |                             |                                                                                                                                                           |
|     |                | High                                                         | Low | High                                           | Low |                                                                                                                                                                                |                             |                                                                                                                                                           |
| 1   | 20 Jun         | 111                                                          | 104 | 330                                            | 197 | Engine Run Temperature Survey: APP, engines, rotors operated.                                                                                                                  | N/A                         | APP replaced prior to starting tests.                                                                                                                     |
| 2   | 21 Jun         | N/A                                                          | N/A | N/A                                            | N/A | Familiarization Flight: Engine power check.                                                                                                                                    | 3:30                        | Engine power deterioration reference.                                                                                                                     |
| 3   | 22 Jun         | 113                                                          | 108 | 314                                            | 174 | Familiarization Flight: Rotor brake, downwind hover, and maximum performance climb.                                                                                            | 1:30                        | NGB hot light during downwind hover.                                                                                                                      |
| 4   | 24 Jun         | 113                                                          | 104 | 311                                            | 95  | Systems Evaluation: upwind, downwind hover rescue hoist test, cargo winches, and refueling probe.                                                                              | 1:06                        | NGB hot light during downwind hover.                                                                                                                      |
| 5   | 1 Jul          | 110                                                          | 107 | 330                                            | 296 | Maintenance: No Test.                                                                                                                                                          | N/A                         | APP fuel pressure check.                                                                                                                                  |
| 6   | 2 Jul          | 110                                                          | 91  | 330                                            | 210 | Familiarization Flight: Parajump.                                                                                                                                              | 2:47                        |                                                                                                                                                           |
| 7   | 4-6 Jul        | 115                                                          | 67  | *370<br>(330)                                  | 0   | Static Temperature and Solar Radiation Survey.                                                                                                                                 | N/A                         | 48-hour heat soak.                                                                                                                                        |
| 8   | 7 Jul          | 117                                                          | 97  | 326                                            | 122 | Systems Evaluation: upwind, downwind hover, rudder authority and rescue hoist.                                                                                                 | 1:20                        | Engine and NGB oil hot during downwind hover.                                                                                                             |
| 9   | 9 Jul          | 117                                                          | 106 | 330                                            | 157 | Systems Evaluation: loudhailer, avionics, upwind, downwind hover, autorotation, and rudder authority.                                                                          | 1:24                        | Engine and NGB oil hot during downwind hover.                                                                                                             |
| 10  | 10 Jul         | 120                                                          | 106 | 332                                            | 164 | Systems Evaluation: rescue hoist, avionics, refueling probe maximum power climb and cruise, upwind, downwind hover, and rudder authority. 41,000 pounds gross weight.          | 1:24                        | Engine and NGB oil hot during downwind hover.                                                                                                             |
| 11  | 11 Jul         | 118                                                          | 104 | 322                                            | 252 | Systems Evaluation: rescue hoist, rotor brake, refueling probe, APP, engine starts with tailwind, upwind, and downwind hover, and rotor authority. 42,000 pounds gross weight. | 3:50                        | Maximum gross weight operation. Windshield delamination. Main gearbox chip light. Engine and NGB oil hot during downwind hover.                           |
| 12  | 14 Jul         | 118                                                          | 113 | 288                                            | 170 | Systems Evaluation: FAVS off configuration, cargo winch, cargo hook (ext. load), and upwind, downwind hover. 42,000 pounds gross weight.                                       | 1:51                        | Maximum gross weight operation. Engine and NGB oil hot during downwind hover. Fiberglass engine exhaust cowl overheated during tailwind engine operation. |

\*Short period cloud effects.

\*\*Solar radiation increases aircraft and component static temperatures above existing ambient air temperature.

Table I (Continued)

| Run | Date<br>(1971) | Surface Conditions During<br>Test Period (Includes Any Soak) |     |                                              |     | Tests                                                                                                                                                                                                                                                                                                                                                                 | Flight<br>Time<br>(hrs:min) | Comments                                                                                                                                        |
|-----|----------------|--------------------------------------------------------------|-----|----------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                | Temperature<br>(deg F)                                       |     | Solar Radiation<br>(BTU/hr/ft <sup>2</sup> ) |     |                                                                                                                                                                                                                                                                                                                                                                       |                             |                                                                                                                                                 |
|     |                | High                                                         | Low | High                                         | Low |                                                                                                                                                                                                                                                                                                                                                                       |                             |                                                                                                                                                 |
| 13  | 17 Jul         | 110                                                          | 108 | 302                                          | 210 | Systems Evaluation:<br>APP ground test.                                                                                                                                                                                                                                                                                                                               | N/A                         | Test of APP vari-<br>ables: RPM setting,<br>EGT, and engine<br>start load effect.                                                               |
| 14  | 20 Jul         | 115                                                          | 106 | 312                                          | 196 | Low Speed/high Speed,<br>High Altitude Profile:<br>locked rotor engine<br>starts, maximum power<br>climbs to 10,000 ft<br>(low/high speed), high<br>speed, low speed de-<br>scents, single-engine<br>flight and landing,<br>low altitude inflight<br>engine start, flight<br>with AFCS off, auto-<br>rotation landing and<br>rescue hoist (300 lb<br>load). Avionics. | 1:59                        | APP fuel pressure<br>fluctuation upon<br>starting. Persistent<br>problem during cli-<br>matic tests.                                            |
| 15  | 21 Jul         | 118                                                          | 114 | 306                                          | 269 | Low Speed/high Altitude Profile: locked<br>rotor tailwind engine<br>start, APP inflight<br>operation, rescue<br>hoist (300 lb load).<br>Refueling probe.<br>Avionics.                                                                                                                                                                                                 | 1:15                        | APP overtemperature<br>during engine start<br>inflight at 7,700 ft<br>altitude.                                                                 |
| 16  | 22 Jul         | 113                                                          | 96  | 302                                          | 224 | High Altitude Profile:<br>parajumps, APP inflight<br>operation; altitude, and<br>airspeed versus EGT,<br>engine starts. Rescue<br>hoist (300 lb load).<br>Refueling probe.                                                                                                                                                                                            | 1:44                        | APP fuel pressure<br>fluctuation upon<br>starting.                                                                                              |
| 17  | 23 Jul         | 120                                                          | 107 | 307                                          | 181 | Cargo hook resupply<br>Profile: parajumps,<br>rescue hoist (max load),<br>cargo winch (max load),<br>cargo hook (7,000 lb<br>load). Max. gross weight<br>(42,000 lbs). Downwind,<br>downwind hover.                                                                                                                                                                   | 2:22                        | APP fuel pressure<br>fluctuation. Fueler<br>control insufficient<br>for 10,000 ft hover.<br>Engine and VSB oil hot<br>during downwind<br>hover. |
| 18  | 26 Jul         | 116                                                          | 111 | 306                                          | 282 | ABOFT                                                                                                                                                                                                                                                                                                                                                                 | N/A                         | Winch (start) system<br>shut-off valve de-<br>fect caused abort.<br>Engines could not be<br>started.                                            |
| 19  | 27 Jul         | 118                                                          | 100 | *360<br>(306)                                | 262 | Rescue Profile: para-<br>jumps, cargo winch, and<br>sand operation.                                                                                                                                                                                                                                                                                                   | 3:22                        | Winch (start) system<br>shut-off valve de-<br>fect caused abort<br>after partial mission<br>completion.                                         |
| 20  | 28 Jul         | 111                                                          | 107 | 254                                          | 116 | Ground Tests: ground<br>air conditioning.                                                                                                                                                                                                                                                                                                                             | N/A                         | Air conditioner con-<br>nected to heater<br>duct adapter.                                                                                       |

Table I (Concluded)

| Run | Date<br>(1971) | Surface Conditions During<br>Test Period (Includes Any Soak) |     |                                              |              | Tests                                                                                                                                               | Flight<br>Time<br>(hrs:min) | Comments                                                                                                                                                   |
|-----|----------------|--------------------------------------------------------------|-----|----------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     |                | Temperature<br>(deg F)                                       |     | Solar Radiation<br>(BTU/hr/ft <sup>2</sup> ) |              |                                                                                                                                                     |                             |                                                                                                                                                            |
|     |                | High                                                         | Low | High                                         | Low          |                                                                                                                                                     |                             |                                                                                                                                                            |
| 21  | 29 Jul         | 115                                                          | 105 | 306                                          | 214          | Rescue Profile: para-jumps, guns, rescue hoist, refueling probe, autorotation descent, and engine power check.                                      | 2:06                        | Engine power deterioration. check for sand ingestion effect. APP fuel pressure fluctuation upon starting.                                                  |
| 22  | 30 Jul         | 115                                                          | 93  | 306                                          | 214          | Heavy Sand Evaluation: parajumps, static line evaluation, loudhailer, and operation in sand environment.                                            | 1:59                        | Main transmission chip light APP fuel pressure fluctuation upon starting. Ramp door will not stay open at 150 KIAS.                                        |
| 23  | 2 Aug          | 113                                                          | 106 | 302                                          | 150<br>(Est) | ABORT.                                                                                                                                              | N/A                         | Abort due to main and tail gear box chip lights. Tail gear box light due to electrical short.                                                              |
| 24  | 3 Aug          | 106                                                          | 99  | 264                                          | 202          | APP Altitude/Inflight Evaluation: APP EGT versus altitude and airspeed.                                                                             | 0:35                        |                                                                                                                                                            |
| 25  | 3 Aug          | 111                                                          | 107 | 302                                          | 262          | Systems Evaluation: engine power check, rescue hoist, sand operation, static line evaluation for parajump and para-drop.                            | 1:00                        |                                                                                                                                                            |
| 26  | 3 Aug          | 111                                                          | 107 | 216                                          | 112          | Systems Evaluation: minigun operation, rescue hoist, loudhailer, APP operation at 10,000 ft, and static line evaluation for parajump and para-drop. | 1:24                        | Insufficient rudder for 10,000 ft hover.                                                                                                                   |
| 27  | 4 Aug          | 104                                                          | 95  | 306                                          | 170          | Systems Evaluation: parajumps using static line, rescue hoist, rudder authority, sand operation.                                                    | 3:00                        | Main transmission chip light.                                                                                                                              |
| 28  | 4 Aug          | 102                                                          | 102 | 200<br>(Estimated)                           | 200          | ABORT                                                                                                                                               | N/A                         | Abort due to second stage hydraulic system overheat.                                                                                                       |
| 29  | 6 Aug          | 112                                                          | 97  | 297                                          | 216          | Systems Evaluation: equipment drops, parajumps, and sand operation. Consecutive series of five flights.                                             | 3:09                        | Abort due to routine electrical problem. Main transmission chip light. Second stage hydraulic system temperature went to 295 degrees F (ground operation). |
| 30  | 6 Aug          | 113                                                          | 105 | 292                                          | 262          | ABORT                                                                                                                                               | N/A                         | Abort due to winch pump shut-off valve defect.                                                                                                             |



Table II

## PARAMETERS RECORDED ON THE PHOTO RECORDER

(Position numbers as read from left to right  
in rows from top to bottom of panel.)

| <u>Position<br/>No.</u> | <u>Parameter Measured</u>                                             | <u>Sikorsky<br/>Item No.</u> |
|-------------------------|-----------------------------------------------------------------------|------------------------------|
| 1a                      | AFCS pitch light <sup>1</sup>                                         | 155                          |
| 1b                      | AFCS roll light <sup>1</sup>                                          | 156                          |
| 1c                      | AFCS yaw light <sup>1</sup>                                           | 157                          |
| 1a,b,c                  | 2nd stage hydraulic system pump inlet temperature,<br>°C <sup>4</sup> | 39                           |
| 2                       | ac frequency, Hz                                                      | 106                          |
| 2                       | Load cell, lbs <sup>2</sup>                                           | X                            |
| 3a                      | Winch pump press., in; needle 1, psig                                 | 112                          |
| 3a                      | Winch pump servo control inlet hydraulic press.<br>psig <sup>6</sup>  |                              |
| 3b                      | Winch pump press. out, needle 2, psig                                 | 113                          |
| 4                       | Rate of climb, fpm                                                    | 3                            |
| 5                       | Indicated altitude, ft                                                | 2                            |
| 6                       | No. 2 EAPS press. differential, psi <sup>3</sup>                      | X                            |
| 6                       | Accessory gearbox rpm, pct                                            | 8                            |
| 6                       | Sensitive main rotor rpm, pct <sup>3</sup>                            | 19                           |
| 7a                      | APP fuel press., needle L, psig                                       | 29                           |
| 7b                      | No. 1 engine fuel control discharge press.,<br>needle R, psig         | 108                          |
| 8                       | No. 1 engine fuel flow, lb/hr                                         | 10                           |
| 8                       | No. 1 engine total fuel, gals used <sup>4</sup>                       |                              |
| 9a                      | APP oil temp gauge, No. 1                                             | 28                           |
| 9b                      | APP fuel temp gauge, No. 2                                            | 30                           |
| 9a,9b                   | 2nd stage hydraulic system pump, outlet temp, °C <sup>4</sup>         | 40                           |
| 10a                     | No. 1 engine start motor inlet press; needle 1,<br>psig               | 118                          |
| 10b                     | APP start motor inlet press., needle 2, psig                          | 120                          |
| 11                      | Free air temp, °C                                                     | 4                            |
| 12                      | Indicated airspeed, kt                                                | 1                            |
| 13                      | LH throttle pos, pct travel                                           | 20                           |
| 13                      | Lateral acceleration, g <sup>3</sup>                                  | X                            |
| 13                      | No. 1 engine fuel temp, °C <sup>4</sup>                               | X                            |
| 14a                     | No. 1 engine start motor outlet press., needle 1,<br>psig             | 119                          |
| 14b                     | APP start motor outlet press., needle R, psig                         | 121                          |
| 15                      | No. 2 engine fuel flow, lb/hr                                         | 15                           |

Table II (Continued)

| <u>Position<br/>No.</u> | <u>Parameter Measured</u>                                                    | <u>Sikorsky<br/>Item No.</u> |
|-------------------------|------------------------------------------------------------------------------|------------------------------|
| 15                      | No. 2 engine total fuel, gals used <sup>1</sup>                              | X                            |
| 16                      | APP EGT, °C                                                                  | 152                          |
| 17                      | Clock                                                                        | 5                            |
| 18                      | Camera lens                                                                  | X                            |
| 19                      | No. 1 engine rpm, (N <sub>G</sub> ), pct                                     | 9                            |
| 20                      | RH throttle pos, pct travel                                                  | 21                           |
| 20                      | No. 2 engine fuel temp, °C <sup>4</sup>                                      | X                            |
| 21a                     | APP oil press. needle L, psig                                                | 27                           |
| 21b                     | Not used                                                                     | X                            |
| 22a                     | No. 1 engine ignition light (top)                                            | 150                          |
| 22b                     | APP starter-on light (bottom)                                                | 22                           |
| 23                      | No. 1 engine turbine inlet temp (TIT) (T <sub>5</sub> ), °C                  | 13                           |
| 24                      | Digital sweep counter, (dig. coord), C <sub>N</sub>                          | X                            |
| 25                      | Digital time counter, (dig. coord), sec                                      | X                            |
| 26                      | No. 2 engine rpm (N <sub>G</sub> ), pct                                      | 14                           |
| 27a                     | No. 1 engine power turbine rpm (N <sub>F</sub> ), needle 1, triple tach, pct | 12                           |
| 27b                     | No. 2 engine power turbine rpm (N <sub>F</sub> ), needle 2, pct              | 17                           |
| 27c                     | Main rotor rpm (N <sub>R</sub> ), needle R, pct <sup>5</sup>                 | 19                           |
| 28                      | No. 1 engine torque, pct                                                     | 11                           |
| 29a                     | Ice detector (rate on event light)                                           | 23                           |
| 29b                     | Anti-ice No. 1 engine light                                                  | 24                           |
| 30                      | No. 2 engine turbine inlet temp, (T <sub>5</sub> ), °C                       | 18                           |
| 31                      | dc bus voltage                                                               | 107                          |
| 32                      | Camera frame counter                                                         | X                            |
| 33                      | APP rpm, pct                                                                 | 7                            |
| 34a                     | Event light                                                                  | 6                            |
| 34b                     | Anti-ice No. 2 engine light                                                  | 24                           |
| 34c                     | AFCS attitude light                                                          | 158                          |
| 35                      | No. 2 engine torque, pct                                                     | 16                           |

<sup>1</sup>Disconnected 10 September 1971.

<sup>2</sup>February 1971 (Arctic test 14) and later.

<sup>3</sup>21 March 1971 (icing test 1) to 24 May 1971.

<sup>4</sup>10 September 1971 and later.

<sup>5</sup>Disconnected for Arctic tests 11 through 21 (27 January - 25 February 1971); position six used in its place during this time.

<sup>6</sup>Replaces original from 12 March through 3 August 1970 (climatic laboratory tests 1 through 29).

Table III

PARAMETERS RECORDED ON THE DIGITAL  
MAGNETIC TAPE RECORDING SYSTEM

| Switch Box<br>Pos. No.       | Parameter Measured                                                         | Sikorsky<br>Item No. |
|------------------------------|----------------------------------------------------------------------------|----------------------|
| Switch Box No. 1 (Pressures) |                                                                            |                      |
| 1-01                         | Sweep counter No.                                                          | X                    |
| 1-02                         | Time (min)                                                                 | X                    |
| 1-03                         | Time (sec)                                                                 | X                    |
| 1-04                         | Free air temp, °C <sup>1</sup>                                             | 4                    |
| 1-05                         | No. 1 engine gas generator rpm, (N <sub>g</sub> ), pct                     | 9                    |
| 1-06                         | No. 1 engine fuel flow, lb/hr or gal/hr <sup>2</sup>                       | 10                   |
| 1-07                         | No. 1 engine torque, pct                                                   | 11                   |
| 1-08                         | No. 1 engine power turbine speed, (N <sub>f</sub> ), pct                   | 12                   |
| 1-09                         | No. 1 engine turbine temp (T <sub>5</sub> ), °C                            | 13                   |
| 1-10                         | No. 2 engine gas generator rpm, (N <sub>g</sub> ), pct                     | 14                   |
| 1-11                         | No. 2 engine fuel flow, lb/hr or gal/hr <sup>2</sup>                       | 15                   |
| 1-12                         | No. 2 engine torque, pct                                                   | 16                   |
| 1-13                         | No. 2 engine power turbine speed, (N <sub>f</sub> ), pct                   | 17                   |
| 1-14                         | No. 2 engine turbine inlet temperature, (T <sub>5</sub> ), °C              | 18                   |
| 1-15                         | Main rotor rpm, pct                                                        | 19                   |
| 1-16                         | OPEN                                                                       | X                    |
| 1-17                         | LH throttle position, pct travel                                           | 20                   |
| 1-18                         | RH throttle position, pct travel                                           | 21                   |
| 1-19                         | No. 1 engine oil pump outlet press., psig                                  | 58                   |
| 1-20                         | No. 1 engine scavenge pump out outlet press., psig                         | 59                   |
| 1-21                         | No. 1 engine fuel boost pump outlet press., (before A/C fuel filter), psig | 61                   |
| 1-22                         | No. 1 engine nose gearbox oil press., psig                                 | 66                   |
| 1-23                         | Accessory gearbox oil press., psig                                         | 69                   |
| 1-24                         | Main gearbox oil press., psig                                              | 71                   |
| 1-25                         | No. 1 engine bleed air press., psig                                        | 110                  |
| 1-26                         | No. 1 engine fuel pump inlet press., psig                                  | 54                   |
| 1-27                         | Voltage reference                                                          | X                    |
| 1-28                         | OPEN                                                                       | X                    |
| 1-29                         | OPEN                                                                       | X                    |

Table III (Continued)

| Switch Box<br>Pos No.        | Parameter Measured                                                             | Sikorsky<br>Item No. |
|------------------------------|--------------------------------------------------------------------------------|----------------------|
| Switch Box No. 2 (Pressures) |                                                                                |                      |
| 2-01                         | Sweep counter No.                                                              | X                    |
| 2-02                         | Time (min)                                                                     | X                    |
| 2-03                         | Time (sec)                                                                     | X                    |
| 2-04                         | OPEN                                                                           | X                    |
| 2-05                         | 1st stage hydraulic pump inlet press., psig                                    | 31                   |
| 2-06                         | 1st stage hydraulic pump outlet press., psig                                   | 32                   |
| 2-07                         | 1st stage hydraulic press. at aft servo<br>cylinder, psig                      | 35                   |
| 2-08                         | 2nd stage hydraulic pump inlet press., psig                                    | 37                   |
| 2-09                         | 2nd stage hydraulic pump outlet press., psig                                   | 38                   |
| 2-10                         | 2nd stage hydraulic press. at aft servo<br>cylinder, psig                      | 41                   |
| 2-11                         | 2nd stage AFCS No. 1 hydraulic press. (pitch/<br>roll), psig                   | 43                   |
| 2-12                         | 2nd stage AFCS No. 1 hydraulic press. (collec-<br>tive/yaw), psig              | 44                   |
| 2-13                         | Utility AFCS No. 2 hydraulic press. (pitch/<br>roll), psig                     | 45                   |
| 2-14                         | Utility hydraulic pump inlet press., psig                                      | 47                   |
| 2-15                         | Utility hydraulic pump outlet press., psig                                     | 48                   |
| 2-16                         | 1st stage hydraulic system rotary rudder<br>servo hydraulic inlet press., psig | 51                   |
| 2-17                         | Utility hydraulic system rotary rudder servo<br>hydraulic inlet press., psig   | 53                   |
| 2-18                         | No. 1 main wheel brake return hydraulic press.,<br>psig                        | 111                  |
| 2-19                         | Heater output airflow (D/P No. 1), psid                                        | 78a                  |
| 2-20                         | Heater output airflow (D/P No. 2), psid                                        | 78b                  |
| 2-21                         | Heater output airflow (D/P No. 3), psid                                        | 78c                  |
| 2-22                         | Heater output airflow (D/P No. 4), psid                                        | 78d                  |
| 2-23                         | Heater output airflow (D/P No. 5), psid                                        | 78e                  |
| 2-24                         | Heater output airflow (D/P No. 6), psid                                        | 78f                  |
| 2-25                         | Heater output airflow (D/P No. 7), psid                                        | 78g                  |
| 2-26                         | Heater output airflow (D/P No. 8), psid                                        | 78h                  |
| 2-27                         | OPEN                                                                           | X                    |
| 2-28                         | OPEN                                                                           | X                    |
| 2-29                         | OPEN                                                                           | X                    |

Table III (Continued)

| Switch Box<br>Pos. No.                 | Parameter Measured                                                                 | Sikorsky<br>Item No. |
|----------------------------------------|------------------------------------------------------------------------------------|----------------------|
| Switch Box No. 3 (Temperatures) (I.C.) |                                                                                    |                      |
| 3-01                                   | Sweep counter No.                                                                  | X                    |
| 3-02                                   | Time (min)                                                                         | X                    |
| 3-03                                   | Time (sec)                                                                         | X                    |
| 3-04                                   | Temp reference                                                                     | X                    |
| 3-05                                   | Air temp into heater, °C or F                                                      | 76                   |
| 3-06                                   | Heater air temp out of plenum chamber, °C or F                                     | 77                   |
| 3-07                                   | Heater main distribution duct air temp - left<br>side forward, °C or F             | 79<br>79             |
| 3-08                                   | Heater main distribution duct air temp - right<br>side forward, °C or F            | 80                   |
| 3-09                                   | Heater distribution duct overhead outlet air<br>temp - cockpit left side, °C or F  | 81                   |
| 3-10                                   | Heater distribution duct overhead outlet air<br>temp - cockpit right side, °C or F | 82                   |
| 3-11                                   | Heater distribution duct outlet air temp sta-<br>tion 460-470-right side, °C or F  | 83                   |
| 3-12                                   | Distribution duct outlet air temp station<br>460-470-left side, °C or F            | 84                   |
| 3-13                                   | Pilot head-level air temp, °C or F                                                 | 85                   |
| 3-14                                   | Pilot waist level air temp, °C or F                                                | 86                   |
| 3-15                                   | Pilot foot-level air temp, °C or F                                                 | 87                   |
| 3-16                                   | Pilot floor mass temp, °C or F                                                     | 88                   |
| 3-17                                   | Copilot head-level air temp, °C or F                                               | 89                   |
| 3-18                                   | Copilot waist-level air temp, °C or F                                              | 90                   |
| 3-19                                   | Copilot foot-level air temp, °C or F                                               | 91                   |
| 3-20                                   | Copilot floor mass temp, °C or F                                                   | 92                   |
| 3-21                                   | Cargo area, forward - head-level air temp,<br>°C or F                              | 93                   |
| 3-22                                   | Cargo area, forward - waist-level air temp,<br>°C or F                             | 94                   |
| 3-23                                   | Cargo area, forward - foot-level air temp,<br>°C or F                              | 95                   |
| 3-24                                   | Cargo area, forward - floor mass temp, °C<br>or F                                  | 96                   |
| 3-25                                   | Cargo area, aft - head-level air temp, °C<br>or F                                  | 97                   |
| 3-26                                   | Cargo area, aft - waist-level air temp, °C<br>or F                                 | 98                   |
| 3-27                                   | Cargo area, aft - foot-level air temp, °C<br>or F                                  | 99                   |
| 3-28                                   | Cargo area, aft floor mass temp, °C or F                                           | 100                  |
| 3-29                                   | OPEN                                                                               | X                    |

Table III (Continued)

| Switch Box<br>-Pos. No.                | Parameter Measured                                                                         | Sikorsky<br>Item No. |
|----------------------------------------|--------------------------------------------------------------------------------------------|----------------------|
| Switch Box No. 4 (Temperatures) (I.C.) |                                                                                            |                      |
| 4-01                                   | Sweep Counter No.                                                                          | X                    |
| 4-02                                   | Time (min)                                                                                 | X                    |
| 4-03                                   | Time (sec)                                                                                 | X                    |
| 4-04                                   | Temp reference                                                                             | X                    |
| 4-05                                   | Copilot windshield inside surface lower center<br>Temp No. 1, °C or °F                     | 101-1                |
| 4-06                                   | Copilot windshield inside surface upper RH No. 2,<br>°C or °F                              | 101-2                |
| 4-07                                   | Center panel windshield inside surface lower<br>center temp No. 1, °C or °F                | 102-1                |
| 4-08                                   | Center panel windshield inside surface upper<br>center temp No. 2, °C or °F                | 102-2                |
| 4-09                                   | 1st stage hydraulic pump inlet temp, °C or °F                                              | 33                   |
| 4-10                                   | 1st stage hydraulic pump outlet temp, °C or °F                                             | 34                   |
| 4-11                                   | 1st stage hydraulic temp at inlet servo cylinder<br>(aft servo), °C or °F                  | 36                   |
| 4-12                                   | 2nd stage hydraulic pump inlet temp, °C or °F                                              | 39                   |
| 4-13                                   | 2nd stage hydraulic pump outlet temp, °C or °F <sup>3</sup>                                | 40                   |
| 4-14                                   | 2nd stage hydraulic temp at inlet servo cylinder<br>(aft servo), °C or °F                  | 42                   |
| 4-15                                   | 2nd stage hydraulic system AFCS No. 1 hydraulic<br>temp (collective/yaw channel), °C or °F | 46                   |
| 4-16                                   | 2nd stage hydraulic system AFCS No. 1 hydraulic<br>temp (pitch/roll channel), °C or °F     | 160                  |
| 4-17                                   | Utility hydraulic pump inlet hydraulic temp,<br>°C or °F                                   | 49                   |
| 4-18                                   | Utility hydraulic pump outlet hydraulic temp,<br>°C or °F                                  | 50                   |
| 4-19                                   | Utility hydraulic system AFCS No. 2 (pitch/roll<br>channel) hydraulic temp, °C or °F       | 161                  |
| 4-20                                   | 1st stage hydraulic system rotary rudder servo<br>hydraulic inlet temp, °C or °F           | 52                   |
| 4-21                                   | Utility hydraulic system rotary rudder servo<br>hydraulic inlet, °C or °F                  | 54                   |
| 4-22                                   | Winch pump inlet hydraulic temp, °C or °F                                                  | 114                  |
|                                        | Winch pump servo control inlet hydraulic temp,<br>°C or °F <sup>4</sup>                    | 114                  |
| 4-23                                   | Winch pump outlet hydraulic temp, °C or °F                                                 | 115                  |
| 4-24                                   | Utility hydraulic system heat exchanger inlet<br>hydraulic temp, °C or °F                  | 116                  |

Table III (Continued)

| Switch Box<br>Pos. No.                             | Parameter Measured                                                      | Sikorsky<br>Item No. |
|----------------------------------------------------|-------------------------------------------------------------------------|----------------------|
| Switch Box No. 4 (Temperatures) (I.C.) (Concluded) |                                                                         |                      |
| 4-25                                               | Utility hydraulic system heat exchanger outlet hydraulic temp, °C or °F | 117                  |
| 4-26                                               | APP and heater fire extinguisher bottle mass temp, °C <sup>5</sup>      | X                    |
| 4-27                                               | OPEN                                                                    | X                    |
| 4-28                                               | OPEN                                                                    | X                    |
| 4-29                                               | OPEN                                                                    | X                    |
| Switch Box No. 5 (Temperatures) (I.C.)             |                                                                         |                      |
| 5-01                                               | Sweep Counter No.                                                       | X                    |
| 5-02                                               | Time (min)                                                              | X                    |
| 5-03                                               | Time (sec)                                                              | X                    |
| 5-04                                               | Temp reference                                                          | X                    |
| 5-05                                               | No. 1 engine oil tank oil temp (1/3 level), °C                          | 55                   |
| 5-06                                               | No. 1 engine oil cooler inlet oil temp, °C                              | 56                   |
| 5-07                                               | No. 1 engine oil cooler outlet oil temp, °C                             | 57                   |
| 5-08                                               | No. 1 engine fuel pump inlet fuel temp, °C or °F                        | 63                   |
| 5-09                                               | No. 1 engine nose gearbox oil cooler outlet oil temp, °C                | 68                   |
| 5-10                                               | No. 1 engine nose gearbox oil cooler inlet oil temp, °C                 | 67                   |
| 5-11                                               | No. 2 engine nose gearbox oil cooler outlet oil temp, °C                | 127                  |
| 5-12                                               | No. 2 engine nose gearbox oil cooler inlet oil temp, °C                 | 126                  |
| 5-13                                               | No. 2 engine oil cooler oil inlet oil temp, °C                          | 128                  |
| 5-14                                               | No. 2 engine oil cooler oil outlet oil temp, °C                         | 129                  |
| 5-15                                               | Accessory gearbox oil temp, °C                                          | 70                   |
| 5-16                                               | Main gearbox oil cooler inlet oil temp, °C                              | 72                   |
| 5-17                                               | Main gearbox oil cooler outlet oil temp, °C                             | 73                   |
| 5-18                                               | Intermediate gearbox oil temp, °C                                       | 74                   |
| 5-19                                               | Tail gearbox oil temp, °C                                               | 75                   |
| 5-20                                               | No. 1 generator mass temp, °C or °F                                     | 105-1                |
| 5-21                                               | Fuel temp to combustion heater, °C or °F                                | 65                   |

Table III (Continued)

| Switch Box<br>Pos. No.                             | Parameter Measured                                                                       | Sikorsky<br>Item No. |
|----------------------------------------------------|------------------------------------------------------------------------------------------|----------------------|
| Switch Box No. 5 (Temperatures) (I.C.) (Concluded) |                                                                                          |                      |
| 5-22                                               | Left side electronic compartment top shelf<br>center air temp No. 1, °C or °F            | 103-1                |
| 5-23                                               | Left side electronic compartment bottom shelf<br>aft (right) air temp No. 2, °C or °F    | 103-2                |
| 5-24                                               | Left side electronic compartment bottom shelf<br>forward (left) air temp No. 3, °C or °F | 103-3                |
| 5-25                                               | Right side electronic compartment aft (left)<br>air temp No. 4, °C or °F                 | 103-4                |
| 5-26                                               | Right side electronic compartment center air<br>temp No. 5, °C or °F                     | 103-5                |
| 5-27                                               | Right side electronic compartment forward<br>(right) air temp No. 6, °C or °F            | 103-6                |
| 5-38                                               | Left main fuel cell fuel temp (1/3 level), °C<br>or °F                                   | 60                   |
| 5-29                                               | No. 2 generator mass temp, °C or °F                                                      | 105-2                |
| Switch Box No. 6 (Temperatures) (I.C.)             |                                                                                          |                      |
| 6-01                                               | Sweep Counter No.                                                                        | X                    |
| 6-02                                               | Time (min)                                                                               | X                    |
| 6-03                                               | Time (sec)                                                                               | X                    |
| 6-04                                               | Temp reference                                                                           | X                    |
| 6-05                                               | (GET-5) No. 1 engine fuel control discharge<br>temp, °C or °F                            | 166                  |
| 6-06                                               | (GET-30) No. 2 engine fuel control discharge<br>temp, °C or °F                           | 191                  |
| 6-07                                               | No. 1 engine fuel boost pump outlet fuel temp,<br>°C or °F                               | 62                   |
| 6-08                                               | No. 1 engine bleed air temp, °C or °F                                                    | 109                  |
| 6-09                                               | No. 1 engine Lord isolator mount temp - aft<br>inboard, °C or °F                         | 124                  |
| 6-10                                               | No. 1 engine Lord isolator mount temp - aft<br>outboard, °C or °F                        | 125                  |
| 6-11                                               | No. 2 engine Lord isolator mount temp - aft<br>inboard, °C or °F                         | 132                  |
| 6-12                                               | No. 2 engine Lord isolator mount temp - aft<br>outboard, °C or °F                        | 133                  |
| 6-13                                               | No. 1 engine inlet lip surface temp No. 1.<br>(12 o'clock position), °C or °F            | 25-1                 |
| 6-14                                               | No. 1 engine inlet lip surface temp No. 2<br>(1 o'clock position), °C or °F              | 25-2                 |



Table III (Continued)

| Switch Box<br>Pos. No.                                | Parameter Measured                                                             | Sikorsky<br>Item No. |
|-------------------------------------------------------|--------------------------------------------------------------------------------|----------------------|
| Switch Box No. 6 (Temperatures) (I.C.) (Concluded)    |                                                                                |                      |
| 6-15                                                  | No. 1 engine inlet lip surface temp No. 3<br>(2 o'clock position), °C or °F    | 25-3                 |
| 6-16                                                  | No. 1 engine inlet lip surface temp No. 4<br>(2:45 o'clock position), °C or °F | 25-4                 |
| 6-17                                                  | No. 1 engine inlet lip surface temp No. 5<br>(3:15 o'clock position), °C or °F | 25-5                 |
| 6-18                                                  | No. 1 engine inlet lip surface temp No. 6<br>(4 o'clock position), °C or °F    | 25-6                 |
| 6-19                                                  | No. 1 engine inlet lip surface temp No. 7<br>(5 o'clock position), °C or °F    | 25-7                 |
| 6-20                                                  | No. 1 engine inlet lip surface temp No. 8<br>(6 o'clock position), °C or °F    | 25-8                 |
| 6-21                                                  | No. 1 engine compartment air temp No. 1 upper<br>forward, °C or °F             | 104-1                |
| 6-22                                                  | No. 2 engine compartment air temp No. 2 lower<br>forward, °C or °F             | 104-2                |
| 6-23                                                  | No. 1 engine compartment air temp No. 3 upper<br>aft, °C or °F                 | 104-3                |
| 6-24                                                  | No. 1 engine compartment air temp No. 4 lower<br>aft, °C or °F                 | 104-4                |
| 6-25                                                  | No. 1 engine accessory gearbox mass temp at<br>starter, °C or °F               | 122                  |
| 6-26                                                  | No. 1 engine accessory gearbox mass temp at<br>front frame, °C or °F           | 123                  |
| 6-27                                                  | No. 2 engine accessory gearbox mass temp at<br>starter, °C or °F               | 130                  |
| 6-28                                                  | No. 2 engine accessory gearbox mass temp at<br>front frame, °C or °F           | 131                  |
| 6-29                                                  | OPEN                                                                           | X                    |
| Switch Box No. 7 (Temperatures) (C.A.) (No. 1 Engine) |                                                                                |                      |
| 7-01                                                  | Sweep Counter No.                                                              | X                    |
| 7-02                                                  | Time (min)                                                                     | X                    |
| 7-03                                                  | Time (sec)                                                                     | X                    |
| 7-04                                                  | OPEN                                                                           | X                    |
| 7-05                                                  | (GET-1) exciter mount temp, °C                                                 | 162                  |
| 7-06                                                  | (GET-2) exciter skin inboard temp, °C                                          | 163                  |
| 7-07                                                  | (GET-3) exciter skin outboard temp, °C                                         | 164                  |
| 7-08                                                  | (GET-4) fuel control case temp, °C                                             | 165                  |

Table III (Continued)

| Switch Box<br>Pos. No.                                            | Parameter Measured                                                                          | Sikorsky<br>Item No. |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|
| Switch Box No. 7 (Temperatures) (C.A.) (No. 1 Engine) (Continued) |                                                                                             |                      |
| 7-09                                                              | (GET-6) lube pump case temp, °C                                                             | 167                  |
|                                                                   | (GET-6) lube pump inlet oil temp, °C                                                        | 167                  |
| 7-10                                                              | (GET-7) fuel pump case temp, °C                                                             | 168                  |
| 7-11                                                              | (GET-8) compressor 2nd stage case temp (4:30<br>o'clock position), °C                       | 169                  |
| 7-12                                                              | (GET-9) compressor 3rd stage case temp (3<br>o'clock position), °C                          | 170                  |
| 7-13                                                              | (GET-10) compressor 3rd stage case temp (4:30<br>o'clock position), °C                      | 171                  |
|                                                                   | (GET-10) scavenge pump outlet oil temp, °C <sup>7</sup>                                     | 171                  |
| 7-14                                                              | (GET-11) compressor 3rd stage case temp (6<br>o'clock position), °C                         | 172                  |
| 7-15                                                              | (GET-12) compressor 4th stage case temp (3<br>o'clock position), °C                         | 173                  |
| 7-16                                                              | (GET-13) compressor 4th stage case temp (4:30<br>o'clock position), °C                      | 174                  |
| 7-17                                                              | (GET-14) compressor 4th stage case temp (6<br>o'clock position), °C                         | 175                  |
| 7-18                                                              | (GET-15) compressor 4th stage case temp (9<br>o'clock position), °C                         | 176                  |
|                                                                   | (GET-15) engine/nose gearbox oil cooler inlet<br>air temp, °C <sup>8</sup>                  | 176                  |
| 7-19                                                              | (GET-16) compressor 5th stage case temp (3<br>o'clock position), °C                         | 177                  |
| 7-20                                                              | (GET-17) compressor 5th stage case temp (4:30<br>o'clock position), °C                      | 178                  |
| 7-21                                                              | (GET-18) compressor 5th stage case temp (6<br>o'clock position), °C                         | 179                  |
| 7-22                                                              | (GET-19) gas generator turbine case temp (4<br>o'clock position), °C                        | 180                  |
|                                                                   | (GET-19) engine/nose gearbox oil cooler outlet<br>air temp, °C or °F <sup>8</sup>           | 180                  |
| 7-23                                                              | (GET-20) gas generator turbine case temp forward<br>of aft flange (8 o'clock position), °C  | 181                  |
|                                                                   | (GET-20) engine oil cooler inlet oil temp, °C <sup>7</sup>                                  | 181                  |
| 7-24                                                              | (GET-21) gas generator turbine case temp forward<br>of aft flange (12 o'clock position), °C | 182                  |
| 7-25                                                              | (GET-22) power turbine case temp forward of aft<br>flange (4 o'clock position), °C          | 183                  |

Table III (Continued)

| Switch Box<br>Pos. No.                                            | Parameter Measured                                                               | Sikorsky<br>Item No. |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------|
| Switch Box No. 7 (Temperatures) (C.A.) (No. 1 Engine) (Concluded) |                                                                                  |                      |
| 7-26                                                              | (GET-23) power turbine case temp forward of aft flange (8 o'clock position), °C  | 184                  |
|                                                                   | (GET-23) engine oil cooler outlet oil temp, °C <sup>7</sup>                      | 184                  |
| 7-27                                                              | (GET-24) power turbine case temp forward of aft flange (12 o'clock position), °C | 185                  |
| 7-28                                                              | (GET-25) T <sub>5</sub> harness temp underside of junction box                   | 186                  |
| 7-29                                                              | OPEN                                                                             | X                    |
| Switch Box No. 8 (Temperatures) (C.A.) (No. 2 Engine)             |                                                                                  |                      |
| 8-01                                                              | Sweep Counter No.                                                                | X                    |
| 8-02                                                              | Time (min)                                                                       | X                    |
| 8-03                                                              | Time (sec)                                                                       | X                    |
| 8-04                                                              | OPEN                                                                             | X                    |
| 8-05                                                              | (GET-26) ignition exciter mount temp, °C                                         | 187                  |
|                                                                   | (GET-27) ignition exciter skin inboard temp, °C*                                 | 188                  |
|                                                                   | (GET-26) OPEN <sup>9</sup>                                                       | 187                  |
| 8-06                                                              | (GET-27) ignition exciter skin inboard temp, °C                                  | 188                  |
|                                                                   | (GET-26) ignition exciter mount temp, °C <sup>2</sup>                            | 188                  |
|                                                                   | (GET-27) OPEN <sup>9</sup>                                                       | 188                  |
| 8-07                                                              | (GET-27) ignition exciter skin outboard temp, °C                                 | 189                  |
|                                                                   | (GET-28) lube pump inlet oil temp, °C <sup>7</sup>                               | 189                  |
|                                                                   | (GET-28) OPEN <sup>9</sup>                                                       | 189                  |
| 8-08                                                              | (GET-29) fuel control case temp, °C                                              | 190                  |
|                                                                   | (GET-29) OPEN <sup>9</sup>                                                       | 190                  |
| 8-09                                                              | (GET-31) lube pump case temp, °C                                                 | 192                  |
|                                                                   | (GET-31) scavenge pump outlet oil temp, °C <sup>3</sup>                          | 192                  |
|                                                                   | (GET-31) OPEN <sup>9</sup>                                                       | 192                  |
| 8-10                                                              | (GET-32) fuel pump case temp, °C                                                 | 193                  |
|                                                                   | (GET-32) OPEN <sup>9</sup>                                                       | 193                  |
| 8-11                                                              | (GET-33) compressor 2nd stage case temp (4:30 o'clock position), °C              | 194                  |
|                                                                   | (GET-33) OPEN <sup>9</sup>                                                       | 194                  |
| 8-12                                                              | (GET-34) compressor 3rd stage case temp (3 o'clock position), °C                 | 195                  |
|                                                                   | (GET-34) OPEN <sup>9</sup>                                                       | 195                  |

\*8-05 and 8-06 reversed December 1969 to 7 September 1970.

Table III (Continued)

| Switch Box<br>Pos. No.                                            | Parameter Measured                                                                       | Sikorsky<br>Item No. |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------|
| Switch Box No. 8 (Temperatures) (C.A.) (No. 1 Engine) (Continued) |                                                                                          |                      |
| 8-13                                                              | (GET-35) compressor 2nd stage case temp (4:30 o'clock position), °C                      | 196                  |
|                                                                   | (GET-35) OPEN <sup>9</sup>                                                               | 196                  |
| 8-14                                                              | (GET-36) compressor 3rd stage case (6 o'clock position), °C                              | 197                  |
|                                                                   | (GET-36) OPEN <sup>9</sup>                                                               | 197                  |
| 8-15                                                              | (GET-37) compressor 4th stage case (3 o'clock position), °C                              | 198                  |
|                                                                   | (GET-37) OPEN <sup>9</sup>                                                               | 198                  |
| 8-16                                                              | (GET-38) compressor 4th stage case temp (4:30 o'clock position), °C                      | 199                  |
|                                                                   | (GET-38) OPEN <sup>9</sup>                                                               | 199                  |
| 8-17                                                              | (GET-39) compressor 4th stage case temp (6 o'clock position), °C                         | 200                  |
|                                                                   | (GET-39) OPEN <sup>9</sup>                                                               | 200                  |
| 8-18                                                              | (GET-40) compressor 4th stage case temp (9 o'clock position), °C                         | 201                  |
|                                                                   | (GET-40) OPEN <sup>9</sup>                                                               | 201                  |
| 8-19                                                              | (GET-41) compressor 5th stage case temp (3 o'clock position), °C                         | 202                  |
|                                                                   | (GET-41) OPEN <sup>9</sup>                                                               | 202                  |
| 8-20                                                              | (GET-42) compressor 5th stage case temp (4:30 o'clock position), °C                      | 203                  |
|                                                                   | (GET-42) OPEN <sup>9</sup>                                                               | 203                  |
| 8-21                                                              | (GET-43) compressor 5th stage case temp (6 o'clock position), °C                         | 204                  |
|                                                                   | (GET-43) OPEN <sup>9</sup>                                                               | 204                  |
| 8-22                                                              | (GET-44) gas generator turbine case temp forward of aft flange, (4 o'clock position), °C | 205                  |
|                                                                   | (GET-44) OPEN <sup>9</sup>                                                               | 205                  |
| 8-23                                                              | (GET-45) gas generator turbine case temp forward of aft flange (8 o'clock position), °C  | 206                  |
|                                                                   | (GET-45) engine/nose gearbox oil cooler inlet air temp, °C <sup>8</sup>                  | 206                  |
| 8-24                                                              | (GET-46) gas generator turbine case temp forward of aft flange (12 o'clock position), °C | 207                  |
|                                                                   | (GET-46) engine/nose gearbox oil cooler outlet air temp, °C <sup>8</sup>                 | 207                  |

Table III (Concluded)

| Switch Box<br>Pos. No.                                            | Parameter Measured                                                               | Sikorsky<br>Item No. |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------|
| Switch Box No. 8 (Temperatures) (C.A.) (Engine No. 1) (Concluded) |                                                                                  |                      |
| 8-25                                                              | (GET-47) power turbine case temp forward of aft flange (4 o'clock position), °C  | 208                  |
|                                                                   | (GET-47) engine oil cooler inlet oil temp, °C <sup>7</sup>                       | 208                  |
|                                                                   | (GET-47) OPEN <sup>5</sup>                                                       | 208                  |
| 8-26                                                              | (GET-48) power turbine case temp forward of aft flange (8 o'clock position), °C  | 209                  |
|                                                                   | (GET-48) OPEN <sup>9</sup>                                                       | 209                  |
| 8-27                                                              | (GET-49) power turbine case temp forward of aft flange (12 o'clock position), °C | 210                  |
|                                                                   | (GET-49) engine oil cooler outlet oil temp, °C <sup>7</sup>                      | 210                  |
|                                                                   | (GET-49) OPEN <sup>9</sup>                                                       | 210                  |
| 8-28                                                              | (GET-50) T5 harness temp, underside of junction box (9 o'clock position), °C     | 211                  |
|                                                                   | (GET-50) OPEN <sup>9</sup>                                                       | 211                  |
| 8-29                                                              | OPEN                                                                             | X                    |

<sup>1</sup>Connected 7 September 1970 (end of climatic laboratory tests).

<sup>2</sup>Connected 1 July 1970 (run 22, climatic laboratory tests).

<sup>3</sup>Recorded on photopanel (positions 1 and 9) as of 10 September 1971.

<sup>4</sup>Replaces original from 25 March through 3 August 1970 (climatic laboratory tests 6 through 29).

<sup>5</sup>Installed 4 February 1971 (arctic test 14).

<sup>6</sup>Used from 27 February through 1 October 1970 (climatic laboratory tests).

<sup>7</sup>Replaces original from 1 July through 7 September 1970 (climatic laboratory tests 22 to end of climatic laboratory test).

<sup>8</sup>Changed 1 July 1970 (climatic laboratory run 22).

<sup>9</sup>Parameters not connected from 7 September 1970 to 24 May 1971.

# TEST SYNOPSSES, EVENT SHEETS AND DATA

RUN 2, 13 TO 30°C, 21 JUNE 1971

Soak Time Not Applicable; Base Reference Test

## Test Synopsis:

This run was chosen to present a reference run (particularly engine power checks) before the start of the desert testing. Reference to the event sheet for this run shows engine No. 2 power checks accomplished from C/N 425 to C/N 475, and engine No. 1 power checks accomplished from C/N 482 to C/N 508. The air temperature is shown as parameter 1-04 in the data sheets and the engine values are shown as parameters 1-05 through 1-15. Parameter 1-13, engine No. 2 power turbine speed, is not presented because of defective instrumentation, but it is identical with the rotor rpm, parameter 1-15. The final data presented also contain engine power checks (reference run 25).

## Pertinent information.

APP newly installed before this run.

Both engines had -13 fuel control and EAPS.

Engine No. 2 is a replacement overhauled engine (231 hours total at overhaul) while engine No. 1 is the original engine.

All the components of the rotor drive system (main transmission intermediate, and tail gearboxes), as well as the rotor head swash plate, and flight control servos, had been replaced at least once since the start of the all-weather tests.

Approximate airframe and major component times after this run were as follows:

|                            | <u>Hours</u> |
|----------------------------|--------------|
| Aircraft flight time       | 203          |
| Engine No. 1               | 222          |
| Engine No. 2               | 161          |
| APP                        | 1            |
| Rotor drive system         | 171          |
| Rotor head and swash plate | 85           |
| Accessory gearbox          | 203          |

## Defective test parameters not presented (unless indicated otherwise).

1-13 - Engine No. 2 power turbine speed.

4-13 - Second stage hydraulic pump outlet temperature.

5-20 - No. 1 generator mass temperature.

6-13 - Engine No. 1 inlet lip surface temperature (12 o'clock position).  
 6-26 - Engine No. 1 accessory gearbox mass temperature at front frame.  
 7-12 - Engine No. 1 compressor 3rd stage case temperature (3 o'clock position)  
 7-16 - Engine No. 1 compressor 4th stage case temperature (4:30 o'clock position).  
 7-19 - Engine No. 1 compressor 5th stage case temperature (3 o'clock position)  
 7-20 - Engine No. 1 compressor 5th stage case temperature (4:30 o'clock position)  
 8-08 - Engine No. 2 fuel control case temperature.

Test parameters not connected or not presented.

2-19 through 2-26 - Heater output airflow differential pressure (not presented).  
 3-05 through 3-12 - Heater output temperatures (not presented).  
 5-21 - Fuel temperature to heater (not presented).  
 6-05 and 6-06 - Engine fuel control discharge temperature (not connected).

Event Sheet:

| CTR | Event                |
|-----|----------------------|
| 308 | Engine No. 2 - start |

**Note**

The APP is running having been started prior to activation of the instrumentation.

|         |                                                       |
|---------|-------------------------------------------------------|
| 312     | Engine No. 1 - start                                  |
| 321     | Taxi                                                  |
| 329     | Takeoff                                               |
| 355     | 7,000-ft PA cruise                                    |
| 360     | 8,500-ft PA cruise                                    |
| 361     | Start descent                                         |
| 394     | Touchdown                                             |
| 398     | Taxi                                                  |
| 403     | Takeoff                                               |
| 417     | 2,500-ft cruise                                       |
| 419     | 1,500-ft cruise                                       |
| 425-452 | Engine No. 2 power topping (1,000-ft PA and 112 KIAS) |

|         |                                                                                         |
|---------|-----------------------------------------------------------------------------------------|
| 458-460 | Engine No. 2 power deterioration check for 96 percent torque (1,000-ft PA and 109 KIAS) |
| 467-470 | Engine No. 2 power deterioration check for 82 percent torque (1,000-ft PA and 110 KIAS) |
| 474-475 | Engine No. 2 power deterioration check for 74 percent torque (1,000-ft PA and 109 KIAS) |
| 482-489 | Engine No. 1 power topping (1,000-ft PA and 112 KIAS)                                   |
| 495-499 | Engine No. 1 power deterioration check for 90 percent torque (1,000-ft PA and 112 KIAS) |
| 501-504 | Engine No. 1 power deterioration check for 77 percent torque (1,000-ft PA and 110 KIAS) |
| 505-508 | Engine No. 1 power deterioration check for 63 percent torque (1,000-ft PA and 109 KIAS) |
| 519     | 500-ft PA cruise                                                                        |
| 529     | Land                                                                                    |
| 533     | APP - start                                                                             |
| 539     | Shutdown                                                                                |
| 544     | End test                                                                                |



HW-53C S/N 58-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SLEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>PERCENT | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------|---------------------------------|-----------------------------------------|------------------------------------|--------------------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------|---------------------------|--------------------------------------------------|
| 328                   | 141                  | 0                    | 40                                   | *                               | *                                       | *                                  | *                                                | 116                                              | *                                       | *                              | *                         | 101                                              |
| 329                   | 141                  | 22                   | 40                                   | *                               | *                                       | *                                  | *                                                | 110                                              | 35                                      | 124                            | *                         | 117                                              |
| 330                   | 141                  | 43                   | 40                                   | *                               | *                                       | *                                  | *                                                | 115                                              | 61                                      | 261                            | 14                        | 420                                              |
| 331                   | 141                  | 1                    | 40                                   | *                               | *                                       | *                                  | *                                                | 114                                              | 67                                      | 261                            | 13                        | 479                                              |
| 332                   | 142                  | 26                   | 40                                   | *                               | *                                       | *                                  | *                                                | *                                                | *                                       | *                              | *                         | 498                                              |
| 333                   | 142                  | 47                   | 40                                   | 10                              | *                                       | *                                  | *                                                | 115                                              | 87                                      | 668                            | 32                        | 512                                              |
| 334                   | 143                  | 9                    | 41                                   | 48                              | 205                                     | 1                                  | 34                                               | 308                                              | 88                                      | 679                            | 32                        | 517                                              |
| 335                   | 143                  | 30                   | 41                                   | 68                              | 268                                     | 1                                  | 66                                               | 491                                              | 88                                      | 659                            | 31                        | 513                                              |
| 336                   | 143                  | 52                   | 40                                   | 82                              | 460                                     | 48                                 | 98                                               | 495                                              | 88                                      | 659                            | 31                        | 483                                              |
| 337                   | 144                  | 13                   | 41                                   | 64                              | 571                                     | 18                                 | 102                                              | 468                                              | 82                                      | 517                            | 21                        | 464                                              |
| 338                   | 144                  | 34                   | 41                                   | 65                              | 575                                     | 18                                 | 102                                              | 478                                              | 82                                      | 478                            | 15                        | 464                                              |
| 339                   | 144                  | 56                   | 41                                   | 84                              | 568                                     | 18                                 | 101                                              | 472                                              | 82                                      | 478                            | 15                        | 489                                              |
| 340                   | 145                  | 17                   | 41                                   | 84                              | 571                                     | 18                                 | 101                                              | 472                                              | 82                                      | 478                            | 15                        | 484                                              |
| 341                   | 145                  | 38                   | 41                                   | 84                              | 566                                     | 18                                 | 102                                              | 474                                              | 83                                      | 488                            | 15                        | 463                                              |
| 342                   | 145                  | 59                   | 41                                   | 84                              | 568                                     | 18                                 | 102                                              | 478                                              | 83                                      | 488                            | 15                        | 468                                              |
| 343                   | 146                  | 21                   | 41                                   | 85                              | 633                                     | 23                                 | 102                                              | 491                                              | 84                                      | 543                            | 19                        | 474                                              |
| 344                   | 147                  | 3                    | 41                                   | 86                              | 571                                     | 18                                 | 102                                              | 478                                              | *                                       | *                              | *                         | *                                                |
| 345                   | 147                  | 24                   | 41                                   | 85                              | 578                                     | 19                                 | 102                                              | 473                                              | 83                                      | 483                            | 15                        | 488                                              |
| 346                   | 147                  | 46                   | 42                                   | 88                              | 765                                     | 39                                 | 102                                              | 507                                              | 86                                      | 663                            | 35                        | 490                                              |
| 347                   | 148                  | 28                   | 41                                   | 95                              | 1218                                    | 71                                 | 102                                              | 644                                              | 93                                      | 1151                           | 74                        | 636                                              |
| 348                   | 148                  | 50                   | 41                                   | 95                              | 1301                                    | 79                                 | 101                                              | 655                                              | 94                                      | 1238                           | 82                        | 638                                              |
| 349                   | 148                  | 30                   | 41                                   | 96                              | 1288                                    | 79                                 | 102                                              | 652                                              | 94                                      | 1214                           | 82                        | 651                                              |
| 350                   | 149                  | 11                   | 40                                   | 96                              | 1234                                    | 74                                 | 102                                              | 653                                              | 93                                      | 1150                           | 76                        | 658                                              |
| 351                   | 149                  | 32                   | 39                                   | 94                              | 1209                                    | 72                                 | 102                                              | 642                                              | 92                                      | 1128                           | 74                        | 642                                              |
| 352                   | 149                  | 54                   | 39                                   | 95                              | 1255                                    | 76                                 | 101                                              | 653                                              | 94                                      | 1186                           | 88                        | 651                                              |
| 353                   | 149                  | 15                   | 39                                   | 94                              | 1271                                    | 79                                 | 101                                              | 654                                              | 94                                      | 1207                           | 84                        | 654                                              |
| 354                   | 150                  | 36                   | 38                                   | 95                              | 1301                                    | 80                                 | 101                                              | 664                                              | 94                                      | 1230                           | 85                        | 662                                              |
| 355                   | 150                  | 58                   | 37                                   | 96                              | 1299                                    | 81                                 | 102                                              | 668                                              | 94                                      | 1188                           | 81                        | 658                                              |
| 356                   | 151                  | 19                   | 37                                   | 96                              | 1290                                    | 80                                 | 102                                              | 665                                              | 94                                      | 1174                           | 80                        | 655                                              |
| 357                   | 151                  | 40                   | 36                                   | 95                              | 1285                                    | 80                                 | 101                                              | 665                                              | 93                                      | 1183                           | 79                        | 649                                              |
| 358                   | 151                  | *                    | *                                    | *                               | 1233                                    | 81                                 | 102                                              | 678                                              | 92                                      | 1167                           | 80                        | 658                                              |
| 359                   | 152                  | 23                   | 16                                   | *                               | *                                       | *                                  | *                                                | *                                                | *                                       | *                              | *                         | 655                                              |
| 360                   | 152                  | 44                   | 32                                   | 94                              | 1276                                    | 88                                 | 100                                              | 664                                              | *                                       | *                              | *                         | *                                                |
| 361                   | 153                  | 6                    | 32                                   | 95                              | 1260                                    | 79                                 | 101                                              | 662                                              | 93                                      | 1166                           | 78                        | 649                                              |
| 362                   | 153                  | 27                   | 30                                   | 95                              | 1255                                    | 79                                 | 101                                              | 667                                              | 94                                      | 1159                           | 80                        | 652                                              |
| 363                   | 153                  | 48                   | 30                                   | 95                              | 1237                                    | 76                                 | 102                                              | 664                                              | 94                                      | 1126                           | 78                        | 652                                              |
| 364                   | 154                  | 18                   | 29                                   | 96                              | 1232                                    | 78                                 | 101                                              | 663                                              | 94                                      | 1126                           | 78                        | 647                                              |
| 365                   | 154                  | 31                   | 29                                   | 95                              | 1230                                    | 78                                 | 102                                              | 664                                              | 93                                      | 1114                           | 77                        | 649                                              |
| 366                   | 154                  | 52                   | 28                                   | 96                              | 1216                                    | 77                                 | 101                                              | 664                                              | 96                                      | 1137                           | 81                        | 651                                              |
| 367                   | 155                  | 14                   | 27                                   | 95                              | 1218                                    | 76                                 | 102                                              | 662                                              | 93                                      | 1189                           | 76                        | 645                                              |
| 368                   | 155                  | 35                   | 27                                   | 95                              | 1207                                    | 77                                 | 102                                              | 663                                              | 93                                      | 1189                           | 77                        | 647                                              |
| 369                   | 155                  | 56                   | 27                                   | 94                              | 1193                                    | 76                                 | 102                                              | 668                                              | 93                                      | 1183                           | 77                        | 647                                              |
| 370                   | 156                  | 18                   | 28                                   | 95                              | 1186                                    | 75                                 | 101                                              | 662                                              | 93                                      | 1093                           | 77                        | 649                                              |
| 371                   | 156                  | 39                   | 28                                   | 94                              | 1186                                    | 75                                 | 102                                              | 662                                              | 93                                      | 1093                           | 77                        | 649                                              |
| 372                   | 157                  | 0                    | 27                                   | 94                              | 1183                                    | 75                                 | 10                                               | 662                                              | 93                                      | 1091                           | 76                        | 654                                              |

| -01<br>SWEET<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(RPM)<br>PERCENT | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>INLET<br>TEMP<br>(T-S)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(RPM)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-13<br>ENG.2<br>INLET<br>TEMP<br>(T-S)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------|--------------------------------------------------|
| 354                   | 137                  | 22                   | 27                                          | 94                                       | 1183                                    | 76                                 | 102                                              | 698                                              | 94                                       | 1089                                    | 77                                 | 690                                              |
| 355                   | 137                  | 43                   | 26                                          | 94                                       | 1180                                    | 76                                 | 102                                              | 698                                              | 93                                       | 1093                                    | 77                                 | 649                                              |
| 356                   | 138                  | 4                    | 27                                          | 94                                       | 1181                                    | 76                                 | 101                                              | 699                                              | 93                                       | 1091                                    | 77                                 | 649                                              |
| 357                   | 141                  | 14                   | 25                                          | 93                                       | 1086                                    | 69                                 | 100                                              | 637                                              | 94                                       | 1116                                    | 88                                 | 660                                              |
| 358                   | 144                  | 23                   | 23                                          | 96                                       | 1189                                    | 70                                 | 101                                              | 641                                              | 93                                       | 1091                                    | 77                                 | 650                                              |
| 359                   | 146                  | 36                   | 22                                          | 92                                       | 1093                                    | 70                                 | 101                                              | 637                                              | 93                                       | 1082                                    | 76                                 | 651                                              |
| 360                   | 148                  | 13                   | 23                                          | 92                                       | 1015                                    | 62                                 | 102                                              | 618                                              | 92                                       | 924                                     | 62                                 | 608                                              |
| 361                   | 151                  | 38                   | 24                                          | 92                                       | 1081                                    | 60                                 | 103                                              | 618                                              | 91                                       | 928                                     | 60                                 | 609                                              |
| 362                   | 171                  | 59                   | 24                                          | 91                                       | 961                                     | 57                                 | 103                                              | 605                                              | 91                                       | 881                                     | 57                                 | 600                                              |
| 363                   | 171                  | 20                   | 25                                          | 91                                       | 959                                     | 57                                 | 102                                              | 602                                              | 50                                       | 883                                     | 57                                 | 598                                              |
| 364                   | 172                  | 0                    | 25                                          | 91                                       | 971                                     | 57                                 | 103                                              | 605                                              | 69                                       | 881                                     | 57                                 | 598                                              |
| 365                   | 173                  | 0                    | 25                                          | 91                                       | 971                                     | 57                                 | 103                                              | 602                                              | 89                                       | 878                                     | 56                                 | 593                                              |
| 366                   | 173                  | 23                   | 27                                          | 91                                       | 890                                     | 50                                 | 20                                               | 580                                              | 90                                       | 813                                     | 48                                 | 586                                              |
| 367                   | 173                  | 44                   | 27                                          | 90                                       | 897                                     | 51                                 | 103                                              | 580                                              | 90                                       | 813                                     | 48                                 | 586                                              |
| 368                   | 174                  | 6                    | 28                                          | 90                                       | 876                                     | 49                                 | 103                                              | 570                                              | 89                                       | 802                                     | 48                                 | 561                                              |
| 369                   | 174                  | 27                   | 28                                          | 90                                       | 876                                     | 49                                 | 103                                              | 570                                              | 87                                       | 765                                     | 43                                 | 583                                              |
| 370                   | 174                  | 48                   | 28                                          | 88                                       | 832                                     | 44                                 | 104                                              | 556                                              | 87                                       | 765                                     | 43                                 | 583                                              |
| 371                   | 178                  | 9                    | 29                                          | 87                                       | 756                                     | 37                                 | 103                                              | 525                                              | 86                                       | 707                                     | 37                                 | 520                                              |
| 372                   | 179                  | 30                   | 29                                          | 87                                       | 770                                     | 38                                 | 103                                              | 524                                              | 86                                       | 707                                     | 37                                 | 519                                              |
| 373                   | 179                  | 51                   | 30                                          | 87                                       | 779                                     | 38                                 | 103                                              | 524                                              | 86                                       | 716                                     | 38                                 | 523                                              |
| 374                   | 176                  | 12                   | 32                                          | 88                                       | 788                                     | 38                                 | 104                                              | 528                                              | 87                                       | 726                                     | 37                                 | 522                                              |
| 375                   | 176                  | 33                   | 34                                          | 88                                       | 823                                     | 41                                 | 103                                              | 538                                              | 88                                       | 756                                     | 40                                 | 528                                              |
| 376                   | 176                  | 54                   | 35                                          | 88                                       | 818                                     | 39                                 | 104                                              | 527                                              | 87                                       | 744                                     | 38                                 | 525                                              |
| 377                   | 177                  | 15                   | 32                                          | 87                                       | 820                                     | 39                                 | 103                                              | 519                                              | 87                                       | 751                                     | 38                                 | 523                                              |
| 378                   | 177                  | 36                   | 33                                          | 87                                       | 827                                     | 40                                 | 103                                              | 520                                              | 87                                       | 758                                     | 39                                 | 523                                              |
| 379                   | 177                  | 57                   | 34                                          | 88                                       | 855                                     | 41                                 | 104                                              | 525                                              | 87                                       | 779                                     | 40                                 | 519                                              |
| 380                   | 178                  | 18                   | 34                                          | 89                                       | 920                                     | 48                                 | 103                                              | 534                                              | 88                                       | 848                                     | 47                                 | 531                                              |
| 381                   | 178                  | 39                   | 34                                          | 90                                       | 994                                     | 54                                 | 102                                              | 555                                              | 88                                       | 890                                     | 51                                 | 550                                              |
| 382                   | 179                  | 1                    | 34                                          | 90                                       | 1031                                    | 56                                 | 102                                              | 570                                              | 88                                       | 915                                     | 52                                 | 554                                              |
| 383                   | 179                  | 22                   | 34                                          | 90                                       | 1040                                    | 57                                 | 102                                              | 570                                              | 88                                       | 927                                     | 53                                 | 555                                              |
| 384                   | 179                  | 43                   | 34                                          | 88                                       | 871                                     | 44                                 | 99                                               | 529                                              | 87                                       | 820                                     | 43                                 | 533                                              |
| 385                   | 180                  | 4                    | 33                                          | 89                                       | 952                                     | 53                                 | 99                                               | 523                                              | 88                                       | 885                                     | 43                                 | 540                                              |
| 386                   | 180                  | 26                   | 33                                          | 88                                       | 931                                     | 51                                 | 102                                              | 533                                              | 88                                       | 869                                     | 50                                 | 550                                              |
| 387                   | 180                  | 47                   | 33                                          | 89                                       | 941                                     | 51                                 | 102                                              | 551                                              | 88                                       | 867                                     | 49                                 | 558                                              |
| 388                   | 181                  | 9                    | 33                                          | 91                                       | 751                                     | 32                                 | 102                                              | 510                                              | 86                                       | 787                                     | 31                                 | 513                                              |
| 389                   | 181                  | 30                   | 34                                          | 86                                       | 647                                     | 25                                 | 102                                              | 477                                              | 84                                       | 608                                     | 24                                 | 489                                              |
| 390                   | 181                  | 52                   | 34                                          | 86                                       | 700                                     | 29                                 | 100                                              | 491                                              | 85                                       | 661                                     | 30                                 | 489                                              |
| 391                   | 182                  | 13                   | 34                                          | 86                                       | 698                                     | 29                                 | 100                                              | 489                                              | 85                                       | 652                                     | 29                                 | 492                                              |
| 392                   | 182                  | 35                   | 34                                          | 87                                       | 827                                     | 42                                 | 98                                               | 509                                              | 87                                       | 756                                     | 39                                 | 504                                              |
| 393                   | 182                  | 56                   | 35                                          | 93                                       | 1255                                    | 73                                 | 97                                               | 622                                              | 91                                       | 1148                                    | 70                                 | 488                                              |
| 394                   | 183                  | 17                   | 35                                          | 92                                       | 1190                                    | 70                                 | 99                                               | 615                                              | 91                                       | 1109                                    | 70                                 | 513                                              |
| 395                   | 183                  | 39                   | 35                                          | 89                                       | 956                                     | 50                                 | 100                                              | 575                                              | 88                                       | 986                                     | 50                                 | 566                                              |
| 396                   | 184                  | 0                    | 35                                          | 85                                       | 441                                     | 3                                  | 99                                               | 451                                              | 82                                       | 504                                     | 18                                 | 566                                              |
| 397                   | 184                  | 22                   | 35                                          | 85                                       | 441                                     | 3                                  | 99                                               | 451                                              | 82                                       | 504                                     | 18                                 | 566                                              |
| 398                   | 184                  | 43                   | 35                                          | 85                                       | 441                                     | 3                                  | 99                                               | 451                                              | 82                                       | 504                                     | 18                                 | 566                                              |
| 399                   | 184                  | 64                   | 35                                          | 84                                       | 640                                     | 22                                 | 100                                              | 456                                              | 85                                       | 654                                     | 29                                 | 487                                              |
| 400                   | 191                  | 14                   | 36                                          | 84                                       | 612                                     | 20                                 | 100                                              | 461                                              | 82                                       | 490                                     | 14                                 | 453                                              |
| 401                   | 191                  | 35                   | 36                                          | 84                                       | 615                                     | 20                                 | 100                                              | 461                                              | 83                                       | 534                                     | 17                                 | 452                                              |
| 402                   | 191                  | 56                   | 36                                          | 83                                       | 608                                     | 20                                 | 100                                              | 463                                              | 83                                       | 536                                     | 16                                 | 450                                              |
| 403                   | 192                  | 18                   | 36                                          | 86                                       | 733                                     | 30                                 | 100                                              | 466                                              | 83                                       | 536                                     | 17                                 | 485                                              |
| 403                   | 192                  | 18                   | 36                                          | 86                                       | 733                                     | 30                                 | 100                                              | 466                                              | 85                                       | 631                                     | 24                                 | 469                                              |

| -01<br>SWEET<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>INO<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/MR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 404                   | 192                  | 39                   | 36                                          | 94                           | 1318                                    | 81                                 | *                                                  | 637                                                      | 93                                      | 1248                                    | 83                                 | 625                                                      |
| 405                   | 193                  | 1                    | 35                                          | 94                           | 1329                                    | 79                                 | 99                                                 | 651                                                      | 92                                      | 1251                                    | 80                                 | 647                                                      |
| 406                   | 193                  | 22                   | 35                                          | 93                           | 1297                                    | 79                                 | *                                                  | 642                                                      | 92                                      | 1223                                    | 80                                 | 636                                                      |
| 407                   | 193                  | 44                   | 35                                          | 93                           | 1255                                    | 76                                 | *                                                  | 632                                                      | 92                                      | 1177                                    | 76                                 | 628                                                      |
| 408                   | 194                  | 5                    | 34                                          | 92                           | 1237                                    | 75                                 | 100                                                | 629                                                      | *                                       | 1156                                    | 75                                 | 620                                                      |
| 409                   | 194                  | 27                   | 34                                          | 94                           | 1218                                    | 74                                 | 100                                                | 621                                                      | 92                                      | 1146                                    | 75                                 | 618                                                      |
| 410                   | 194                  | 48                   | 34                                          | 92                           | 1209                                    | 73                                 | 100                                                | 621                                                      | 92                                      | 1126                                    | 73                                 | 614                                                      |
| 411                   | 195                  | 10                   | 33                                          | 92                           | 1202                                    | 73                                 | 100                                                | 617                                                      | 92                                      | 1123                                    | 73                                 | 614                                                      |
| 412                   | 195                  | 31                   | 33                                          | 92                           | 1200                                    | 73                                 | 100                                                | 622                                                      | 92                                      | 1112                                    | 72                                 | 613                                                      |
| 413                   | 195                  | 53                   | 33                                          | 92                           | 1190                                    | 72                                 | 100                                                | 620                                                      | 91                                      | 1108                                    | 71                                 | 610                                                      |
| 414                   | 196                  | 14                   | 33                                          | 94                           | 1186                                    | 71                                 | 100                                                | *                                                        | *                                       | *                                       | *                                  | *                                                        |
| 415                   | *                    | *                    | *                                           | *                            | *                                       | *                                  | *                                                  | 613                                                      | 91                                      | 1091                                    | 70                                 | 609                                                      |
| 416                   | 203                  | 37                   | 37                                          | 94                           | 1234                                    | 74                                 | *                                                  | 638                                                      | 94                                      | 1126                                    | 72                                 | 626                                                      |
| 417                   | 203                  | 58                   | 37                                          | 92                           | 1227                                    | 74                                 | 103                                                | 636                                                      | 91                                      | 1121                                    | 72                                 | 635                                                      |
| 418                   | 204                  | 20                   | 37                                          | 92                           | 1225                                    | 74                                 | 103                                                | 638                                                      | 92                                      | 1113                                    | 72                                 | 628                                                      |
| 419                   | 209                  | 19                   | 43                                          | 92                           | 1107                                    | 62                                 | 103                                                | 608                                                      | 91                                      | 1015                                    | 60                                 | 600                                                      |
| 420                   | 209                  | 48                   | 43                                          | 94                           | 1114                                    | 63                                 | 104                                                | 612                                                      | 91                                      | 1017                                    | 60                                 | 600                                                      |
| 421                   | 210                  | 1                    | 42                                          | 92                           | 1109                                    | 63                                 | 103                                                | 611                                                      | 89                                      | 1019                                    | 60                                 | 604                                                      |
| 422                   | 210                  | 22                   | 42                                          | 92                           | 1096                                    | 62                                 | 103                                                | 610                                                      | *                                       | 1012                                    | 57                                 | 601                                                      |
| 423                   | 210                  | 44                   | 42                                          | 91                           | 1003                                    | 53                                 | 104                                                | 589                                                      | 90                                      | 934                                     | 53                                 | 585                                                      |
| 424                   | 211                  | 5                    | 43                                          | 91                           | 1003                                    | 53                                 | 103                                                | 584                                                      | 91                                      | 934                                     | 53                                 | 581                                                      |
| 425                   | 212                  | 23                   | 44                                          | 79                           | 350                                     | 3                                  | 102                                                | 441                                                      | 96                                      | 1403                                    | 97                                 | 684                                                      |
| 426                   | 212                  | 41                   | 44                                          | 78                           | 342                                     | 2                                  | 100                                                | 424                                                      | 96                                      | 1483                                    | 100                                | 709                                                      |
| 427                   | 213                  | 3                    | 43                                          | 69                           | 249                                     | 1                                  | 71                                                 | 436                                                      | 96                                      | 1493                                    | 105                                | 712                                                      |
| 428                   | 213                  | 24                   | 43                                          | 68                           | 249                                     | 1                                  | 71                                                 | 463                                                      | 96                                      | 1491                                    | 107                                | 728                                                      |
| 429                   | 213                  | 46                   | 43                                          | 69                           | 254                                     | 0                                  | 71                                                 | 458                                                      | 96                                      | 1492                                    | 105                                | 714                                                      |
| 430                   | 214                  | 7                    | 43                                          | 68                           | 256                                     | *                                  | *                                                  | *                                                        | *                                       | *                                       | *                                  | *                                                        |
| 431                   | *                    | *                    | 43                                          | 68                           | 254                                     | 1                                  | 70                                                 | 457                                                      | 96                                      | 1496                                    | 105                                | 717                                                      |
| 432                   | 214                  | 50                   | 44                                          | 69                           | 258                                     | 1                                  | 71                                                 | 462                                                      | 96                                      | 1322                                    | 87                                 | 679                                                      |
| 433                   | 215                  | 11                   | 44                                          | 69                           | 261                                     | 1                                  | 71                                                 | 462                                                      | 94                                      | 1345                                    | 85                                 | 682                                                      |
| 434                   | 215                  | 31                   | 44                                          | 68                           | 263                                     | 1                                  | 70                                                 | 466                                                      | 96                                      | 1507                                    | 108                                | 715                                                      |
| 435                   | 215                  | 54                   | 43                                          | 68                           | 258                                     | 1                                  | 70                                                 | 465                                                      | 96                                      | 1510                                    | 108                                | 715                                                      |
| 436                   | 216                  | 16                   | 44                                          | 69                           | 258                                     | 1                                  | 70                                                 | 465                                                      | 97                                      | 1512                                    | 109                                | 722                                                      |
| 437                   | 216                  | 37                   | 44                                          | 68                           | 261                                     | 1                                  | 70                                                 | 463                                                      | 94                                      | 1294                                    | 85                                 | 671                                                      |
| 438                   | 216                  | 59                   | 43                                          | 68                           | 258                                     | 1                                  | 71                                                 | 463                                                      | 96                                      | 1514                                    | 108                                | 704                                                      |
| 439                   | 217                  | 20                   | 43                                          | 68                           | 263                                     | 1                                  | 71                                                 | 466                                                      | 96                                      | 1526                                    | 118                                | 716                                                      |
| 440                   | 217                  | 48                   | 43                                          | 68                           | 263                                     | *                                  | *                                                  | *                                                        | *                                       | *                                       | *                                  | 714                                                      |
| 441                   | *                    | 8                    | 43                                          | 69                           | 261                                     | 1                                  | 70                                                 | 466                                                      | 95                                      | 1355                                    | 90                                 | 679                                                      |
| 442                   | 218                  | 25                   | 43                                          | 68                           | 258                                     | 1                                  | 70                                                 | 466                                                      | 97                                      | 1549                                    | 112                                | 719                                                      |
| 443                   | 218                  | 46                   | 43                                          | 68                           | 261                                     | 1                                  | 70                                                 | 470                                                      | 97                                      | 1549                                    | 111                                | 721                                                      |
| 444                   | 219                  | 8                    | 43                                          | 68                           | 261                                     | 1                                  | 79                                                 | 466                                                      | 96                                      | 1463                                    | 100                                | 718                                                      |
| 445                   | 219                  | 29                   | 43                                          | 69                           | 268                                     | 1                                  | 74                                                 | 466                                                      | 96                                      | 1401                                    | 95                                 | 687                                                      |
| 446                   | 219                  | 50                   | 43                                          | 68                           | 261                                     | 1                                  | 70                                                 | 466                                                      | 97                                      | 1558                                    | 113                                | 727                                                      |
| 447                   | 220                  | 12                   | 43                                          | 68                           | 261                                     | 1                                  | 70                                                 | 466                                                      | 97                                      | 1553                                    | 113                                | 724                                                      |
| 448                   | 220                  | 34                   | 43                                          | 69                           | 261                                     | 1                                  | 70                                                 | 463                                                      | 97                                      | 1558                                    | 113                                | *                                                        |
| 449                   | *                    | *                    | *                                           | *                            | 263                                     | 1                                  | 70                                                 | 467                                                      | 96                                      | 1558                                    | 113                                | 735                                                      |
| 450                   | 221                  | 17                   | 43                                          | 68                           | 261                                     | 2                                  | 71                                                 | 465                                                      | 98                                      | 1553                                    | 113                                | 735                                                      |
| 451                   | 221                  | 38                   | 43                                          | 69                           | 261                                     | 2                                  | 71                                                 | 473                                                      | 98                                      | 1553                                    | 112                                | 726                                                      |
| 452                   | 222                  | 0                    | 43                                          | 68                           | 258                                     | 1                                  | 71                                                 | 465                                                      | 99                                      | 1551                                    | 110                                | 727                                                      |
| 453                   | 222                  | 21                   | 43                                          | 74                           | 376                                     | 2                                  | 81                                                 | 498                                                      | 95                                      | 1366                                    | 90                                 | 687                                                      |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|-------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 454                   | 222                  | 42                   | 43                                          | 79                           | 386                                     | 2                                  | 181                                                       | 429                                             | 95                                      | 1371                                    | 91                                 | 681                                                      |
| 455                   | 223                  | 4                    | 44                                          | 83                           | 583                                     | 14                                 | 181                                                       | 447                                             | 95                                      | 1362                                    | 91                                 | 669                                                      |
| 456                   | 223                  | 25                   | 43                                          | 81                           | 462                                     | 10                                 | 98                                                        | 440                                             | *                                       | *                                       | *                                  | *                                                        |
| 457                   | 223                  | 47                   | 43                                          | 82                           | 463                                     | 10                                 | 97                                                        | 441                                             | 95                                      | 1366                                    | 96                                 | 682                                                      |
| 458                   | 224                  | 7                    | 43                                          | 82                           | 464                                     | 10                                 | 96                                                        | 439                                             | 94                                      | 1366                                    | 96                                 | 679                                                      |
| 459                   | 224                  | 30                   | 43                                          | 82                           | 464                                     | 11                                 | 99                                                        | 439                                             | 96                                      | 1368                                    | 96                                 | 676                                                      |
| 460                   | 224                  | 52                   | 43                                          | 81                           | 464                                     | 10                                 | 97                                                        | 437                                             | 94                                      | 1364                                    | 96                                 | 679                                                      |
| 461                   | 225                  | 13                   | 43                                          | 86                           | 672                                     | 27                                 | 98                                                        | 473                                             | 95                                      | 1119                                    | 72                                 | 628                                                      |
| 462                   | 225                  | 35                   | 43                                          | 88                           | 765                                     | 35                                 | 98                                                        | 508                                             | 94                                      | 1179                                    | 78                                 | 636                                                      |
| 463                   | *                    | *                    | *                                           | *                            | *                                       | 37                                 | 98                                                        | 525                                             | 94                                      | 1204                                    | 80                                 | 642                                                      |
| 464                   | 226                  | 18                   | 43                                          | 88                           | 853                                     | 43                                 | 99                                                        | 538                                             | *                                       | 1172                                    | 78                                 | 637                                                      |
| 465                   | 226                  | 40                   | 43                                          | 88                           | 858                                     | 43                                 | 97                                                        | 538                                             | 92                                      | 1160                                    | 77                                 | 636                                                      |
| 466                   | 227                  | 2                    | 42                                          | 86                           | 693                                     | 29                                 | 93                                                        | 501                                             | 93                                      | 1211                                    | 83                                 | 645                                                      |
| 467                   | 227                  | 23                   | 43                                          | 86                           | 652                                     | 26                                 | 96                                                        | 489                                             | 94                                      | 1195                                    | 81                                 | 647                                                      |
| 468                   | 227                  | 45                   | 43                                          | 85                           | 654                                     | 26                                 | 92                                                        | 476                                             | *                                       | *                                       | *                                  | *                                                        |
| 469                   | 228                  | 7                    | 43                                          | 86                           | 659                                     | 26                                 | 96                                                        | 486                                             | 94                                      | 1284                                    | 82                                 | 645                                                      |
| 470                   | 228                  | 29                   | 43                                          | 86                           | 656                                     | 26                                 | 96                                                        | 484                                             | 93                                      | 1197                                    | 81                                 | 644                                                      |
| 471                   | 228                  | 50                   | 43                                          | 88                           | 774                                     | 37                                 | 97                                                        | 503                                             | 92                                      | 1066                                    | 68                                 | 611                                                      |
| 472                   | 229                  | 12                   | 43                                          | 87                           | 742                                     | 33                                 | 97                                                        | 514                                             | 94                                      | 1109                                    | 73                                 | 615                                                      |
| 473                   | 229                  | 34                   | 43                                          | 88                           | 737                                     | 33                                 | 99                                                        | 508                                             | 92                                      | 1119                                    | 73                                 | 610                                                      |
| 474                   | 229                  | 56                   | 43                                          | 86                           | 719                                     | 33                                 | 98                                                        | 507                                             | 93                                      | 1121                                    | 75                                 | 623                                                      |
| 475                   | 230                  | 17                   | 43                                          | 86                           | 737                                     | 33                                 | 96                                                        | 507                                             | 94                                      | 1123                                    | 74                                 | 624                                                      |
| 476                   | 230                  | 39                   | 43                                          | 87                           | 1567                                    | 101                                | 98                                                        | 699                                             | 72                                      | 252                                     | 2                                  | 489                                                      |
| 477                   | 231                  | 1                    | 43                                          | 97                           | 1551                                    | 89                                 | 100                                                       | 715                                             | 69                                      | 245                                     | 2                                  | 480                                                      |
| 478                   | 231                  | 22                   | 44                                          | 95                           | 1387                                    | 83                                 | 102                                                       | 679                                             | 69                                      | 249                                     | 2                                  | 474                                                      |
| 479                   | 231                  | 43                   | 43                                          | 96                           | 1394                                    | *                                  | *                                                         | *                                               | *                                       | *                                       | *                                  | *                                                        |
| 480                   | 232                  | 4                    | 44                                          | 94                           | 1394                                    | 64                                 | 104                                                       | 675                                             | 69                                      | 252                                     | 2                                  | 473                                                      |
| 481                   | 232                  | 26                   | 44                                          | 97                           | 1537                                    | 101                                | 101                                                       | 683                                             | 70                                      | 254                                     | 3                                  | 472                                                      |
| 482                   | 232                  | 47                   | 44                                          | 98                           | 1600                                    | 104                                | 97                                                        | 721                                             | 69                                      | 254                                     | 3                                  | 473                                                      |
| 483                   | 233                  | 9                    | 44                                          | 98                           | 1604                                    | 104                                | 99                                                        | 724                                             | 68                                      | 254                                     | 3                                  | 473                                                      |
| 484                   | 233                  | 30                   | 44                                          | 97                           | 1586                                    | 103                                | 99                                                        | 713                                             | 68                                      | 254                                     | 2                                  | 467                                                      |
| 485                   | *                    | *                    | *                                           | 98                           | 1595                                    | 103                                | 98                                                        | 719                                             | 69                                      | 256                                     | 3                                  | 473                                                      |
| 486                   | 234                  | 14                   | 44                                          | 98                           | 1598                                    | 104                                | 97                                                        | 720                                             | 68                                      | 254                                     | 2                                  | 473                                                      |
| 487                   | 234                  | 35                   | 44                                          | 97                           | 1598                                    | 104                                | 97                                                        | 721                                             | 68                                      | 256                                     | 3                                  | 475                                                      |
| 488                   | 234                  | 57                   | 44                                          | 98                           | 1586                                    | 104                                | 97                                                        | 720                                             | 68                                      | 256                                     | 3                                  | 473                                                      |
| 489                   | 235                  | 19                   | 44                                          | *                            | 1590                                    | 104                                | 97                                                        | 724                                             | 68                                      | 254                                     | 2                                  | *                                                        |
| 490                   | 235                  | 40                   | 44                                          | 95                           | 1387                                    | 85                                 | 101                                                       | 678                                             | 79                                      | 358                                     | 1                                  | 465                                                      |
| 491                   | 236                  | 2                    | 44                                          | 93                           | 1220                                    | 72                                 | *                                                         | 638                                             | 80                                      | 400                                     | 6                                  | 434                                                      |
| 492                   | 236                  | 23                   | 44                                          | 94                           | 1394                                    | 98                                 | 97                                                        | 668                                             | 82                                      | 448                                     | 10                                 | 439                                                      |
| 493                   | 236                  | 45                   | 44                                          | 96                           | 1352                                    | 84                                 | 98                                                        | 669                                             | 81                                      | 464                                     | 13                                 | 444                                                      |
| 494                   | 237                  | 3                    | 44                                          | 96                           | 1388                                    | 86                                 | 96                                                        | *                                               | *                                       | *                                       | *                                  | *                                                        |
| 495                   | 237                  | 28                   | 44                                          | 98                           | 1422                                    | 98                                 | 97                                                        | 674                                             | 83                                      | 471                                     | 12                                 | 449                                                      |
| 496                   | 237                  | 50                   | 44                                          | 96                           | 1426                                    | 98                                 | 97                                                        | 679                                             | 82                                      | 462                                     | 11                                 | 444                                                      |
| 497                   | 238                  | 11                   | 44                                          | 99                           | 1429                                    | 98                                 | 97                                                        | 680                                             | 82                                      | 464                                     | 12                                 | 460                                                      |
| 498                   | 238                  | 33                   | 44                                          | 96                           | 1424                                    | 89                                 | 98                                                        | 680                                             | 82                                      | 462                                     | 12                                 | 448                                                      |
| 499                   | *                    | *                    | 44                                          | 96                           | 1424                                    | 90                                 | 98                                                        | 684                                             | 84                                      | 464                                     | 11                                 | 450                                                      |
| 500                   | 239                  | 16                   | 44                                          | 93                           | 1174                                    | 70                                 | *                                                         | 632                                             | 84                                      | 554                                     | 20                                 | 457                                                      |
| 501                   | 239                  | 38                   | 44                                          | 94                           | 1246                                    | 77                                 | 98                                                        | 637                                             | 83                                      | 536                                     | 18                                 | 468                                                      |
| 502                   | 240                  | 0                    | 45                                          | 94                           | 1241                                    | 76                                 | 97                                                        | 638                                             | 85                                      | 527                                     | 18                                 | 464                                                      |
| 503                   | *                    | *                    | *                                           | *                            | 1239                                    | 75                                 | 97                                                        | 638                                             | 83                                      | 527                                     | 17                                 | 465                                                      |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 584                   | 240                  | 43                   | 44                                          | 95                           | 1267                                    | 78                                 | 98                                                        | 642                                                      | 84                                      | 557                                     | 20                                 | 468                                                      |
| 585                   | 241                  | 5                    | 44                                          | 92                           | 1082                                    | 62                                 | 99                                                        | 605                                                      | 88                                      | 770                                     | 39                                 | 518                                                      |
| 586                   | 241                  | 27                   | 44                                          | 92                           | 1096                                    | 64                                 | 97                                                        | 607                                                      | 88                                      | 804                                     | 43                                 | 538                                                      |
| 587                   | 241                  | *                    | 44                                          | *                            | 1072                                    | 61                                 | 97                                                        | 600                                                      | 88                                      | 788                                     | 41                                 | 538                                                      |
| 588                   | 242                  | 10                   | 44                                          | 92                           | 1072                                    | 62                                 | 98                                                        | 600                                                      | 87                                      | 786                                     | 41                                 | 531                                                      |
| 589                   | 242                  | 32                   | 44                                          | 91                           | 1008                                    | 54                                 | 100                                                       | 576                                                      | 89                                      | 973                                     | 55                                 | 575                                                      |
| 590                   | 242                  | 53                   | 45                                          | 92                           | 1026                                    | 58                                 | 100                                                       | 576                                                      | 90                                      | 980                                     | 61                                 | 578                                                      |
| 591                   | 242                  | *                    | 45                                          | *                            | 1179                                    | 68                                 | 100                                                       | 616                                                      | 92                                      | 1063                                    | 65                                 | 618                                                      |
| 592                   | 243                  | 36                   | 45                                          | 93                           | 1153                                    | 66                                 | 100                                                       | 617                                                      | 94                                      | 1072                                    | 66                                 | 610                                                      |
| 593                   | 243                  | 58                   | 46                                          | 92                           | 1156                                    | 67                                 | 100                                                       | 613                                                      | 92                                      | 1082                                    | 66                                 | 611                                                      |
| 594                   | 244                  | 20                   | 46                                          | 94                           | 1151                                    | 65                                 | 100                                                       | 612                                                      | 92                                      | 1077                                    | 66                                 | 610                                                      |
| 595                   | 244                  | *                    | 46                                          | *                            | *                                       | *                                  | 100                                                       | 576                                                      | 90                                      | 955                                     | 54                                 | 585                                                      |
| 596                   | 245                  | 2                    | 45                                          | 91                           | 998                                     | 54                                 | 100                                                       | 572                                                      | 90                                      | 948                                     | 54                                 | 583                                                      |
| 597                   | 245                  | 24                   | 45                                          | 91                           | 1001                                    | 53                                 | 100                                                       | 570                                                      | 90                                      | 948                                     | 54                                 | 573                                                      |
| 598                   | 245                  | 45                   | 46                                          | 93                           | 1146                                    | 68                                 | 100                                                       | 597                                                      | 91                                      | 1042                                    | 65                                 | 589                                                      |
| 599                   | 245                  | *                    | 46                                          | *                            | 1216                                    | 72                                 | 99                                                        | 622                                                      | 91                                      | 1091                                    | 67                                 | 618                                                      |
| 600                   | 246                  | 29                   | 46                                          | 94                           | 1209                                    | 71                                 | 98                                                        | 625                                                      | 91                                      | 1086                                    | 67                                 | 613                                                      |
| 601                   | 246                  | 50                   | 46                                          | 93                           | 1211                                    | 71                                 | 99                                                        | 625                                                      | *                                       | 1086                                    | 67                                 | 610                                                      |
| 602                   | 247                  | 12                   | 46                                          | 94                           | 1165                                    | 68                                 | 99                                                        | 620                                                      | 92                                      | 1109                                    | 69                                 | 613                                                      |
| 603                   | 247                  | 33                   | 46                                          | 93                           | 1172                                    | 68                                 | 98                                                        | 616                                                      | 92                                      | 1114                                    | 70                                 | 613                                                      |
| 604                   | 247                  | 55                   | 46                                          | 93                           | 1177                                    | 68                                 | 99                                                        | 625                                                      | *                                       | 1114                                    | 70                                 | 614                                                      |
| 605                   | 248                  | 16                   | 46                                          | 92                           | 1091                                    | 56                                 | 100                                                       | 601                                                      | 91                                      | 1052                                    | 61                                 | 613                                                      |
| 606                   | 248                  | 38                   | 46                                          | 90                           | 982                                     | 51                                 | 100                                                       | 567                                                      | *                                       | *                                       | *                                  | *                                                        |
| 607                   | 248                  | 59                   | 45                                          | 88                           | 770                                     | 33                                 | 100                                                       | 523                                                      | 87                                      | 716                                     | 31                                 | 527                                                      |
| 608                   | 249                  | 21                   | 45                                          | 85                           | 617                                     | 19                                 | 102                                                       | 484                                                      | 84                                      | 568                                     | 16                                 | 485                                                      |
| 609                   | 249                  | 42                   | 45                                          | 86                           | 631                                     | 21                                 | 100                                                       | 473                                                      | 84                                      | 573                                     | 19                                 | 474                                                      |
| 610                   | 249                  | *                    | 45                                          | *                            | *                                       | *                                  | 100                                                       | 529                                                      | 86                                      | 765                                     | 35                                 | 517                                                      |
| 611                   | 250                  | 25                   | 45                                          | 83                           | 575                                     | 17                                 | 99                                                        | 478                                                      | 82                                      | 499                                     | 14                                 | 473                                                      |
| 612                   | 250                  | 47                   | 45                                          | 84                           | 591                                     | 17                                 | 98                                                        | 463                                                      | 81                                      | 501                                     | 13                                 | 480                                                      |
| 613                   | 251                  | 9                    | 45                                          | 84                           | 591                                     | 18                                 | 99                                                        | 467                                                      | 83                                      | 524                                     | 15                                 | *                                                        |
| 614                   | 251                  | 30                   | 45                                          | 81                           | 566                                     | 16                                 | 98                                                        | 479                                                      | 83                                      | 513                                     | 13                                 | 465                                                      |
| 615                   | 251                  | 52                   | 45                                          | 85                           | 571                                     | 16                                 | 99                                                        | 481                                                      | 82                                      | 511                                     | 13                                 | 463                                                      |
| 616                   | 252                  | 13                   | 45                                          | 86                           | 561                                     | 15                                 | 98                                                        | 493                                                      | 82                                      | 517                                     | 14                                 | 483                                                      |
| 617                   | 252                  | 35                   | 45                                          | 86                           | 564                                     | 15                                 | 98                                                        | 502                                                      | 83                                      | 536                                     | 16                                 | 484                                                      |
| 618                   | 252                  | 57                   | 45                                          | 86                           | 564                                     | 16                                 | 98                                                        | 501                                                      | 84                                      | 536                                     | 16                                 | 484                                                      |
| 619                   | 253                  | 18                   | 45                                          | 85                           | 554                                     | 15                                 | 99                                                        | 486                                                      | 83                                      | 511                                     | 13                                 | 465                                                      |
| 620                   | 254                  | 2                    | 46                                          | 70                           | 279                                     | 1                                  | 73                                                        | 502                                                      | 86                                      | 552                                     | 26                                 | 495                                                      |
| 621                   | 254                  | 23                   | 46                                          | 79                           | 279                                     | 0                                  | 72                                                        | 501                                                      | 84                                      | 568                                     | 14                                 | 487                                                      |
| 622                   | 254                  | *                    | 46                                          | 34                           | *                                       | 0                                  | 35                                                        | 452                                                      | 35                                      | 53                                      | 2                                  | 423                                                      |
| 623                   | 255                  | 7                    | 46                                          | *                            | *                                       | 0                                  | *                                                         | 315                                                      | 11                                      | *                                       | *                                  | 298                                                      |

MM-53C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 308                   | 141                  | 0                    | *                    | *                             | *                             | *                                                       | 0                                                        | *                                                                 | 1                                                            | 34                                                    | *                                                   | 0                                              |
| 309                   | 141                  | 22                   | 37                   | *                             | 22                            | *                                                       | 0                                                        | *                                                                 | 0                                                            | 31                                                    | *                                                   | *                                              |
| 310                   | 141                  | 43                   | 15                   | *                             | 22                            | *                                                       | 0                                                        | *                                                                 | 0                                                            | 36                                                    | *                                                   | 0                                              |
| 311                   | *                    | 1                    | 32                   | *                             | 32                            | *                                                       | 0                                                        | *                                                                 | 0                                                            | 32                                                    | 12                                                  | 0                                              |
| 312                   | 142                  | 26                   | 31                   | *                             | 64                            | *                                                       | *                                                        | *                                                                 | 0                                                            | 32                                                    | 64                                                  | *                                              |
| 313                   | 142                  | 47                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | 27                                                    | 69                                                  | *                                              |
| 314                   | 143                  | 9                    | 100                  | 21                            | 82                            | 21                                                      | 8                                                        | 9                                                                 | 22                                                           | 24                                                    | *                                                   | *                                              |
| 315                   | 143                  | 30                   | 100                  | 35                            | 82                            | 36                                                      | 12                                                       | 15                                                                | 55                                                           | 24                                                    | 69                                                  | 26                                             |
| 316                   | 143                  | 52                   | 100                  | 75                            | 75                            | 46                                                      | 16                                                       | 18                                                                | 68                                                           | 30                                                    | 68                                                  | 59                                             |
| 317                   | 144                  | 13                   | 102                  | 81                            | 81                            | 47                                                      | 17                                                       | 20                                                                | 69                                                           | 29                                                    | 69                                                  | 67                                             |
| 318                   | 144                  | 34                   | *                    | 81                            | 81                            | 46                                                      | 14                                                       | 20                                                                | 68                                                           | 27                                                    | 67                                                  | 67                                             |
| 319                   | 144                  | 56                   | 103                  | 81                            | 81                            | 43                                                      | 20                                                       | 20                                                                | 66                                                           | 31                                                    | 70                                                  | 67                                             |
| 320                   | 145                  | 17                   | 103                  | 81                            | 81                            | 45                                                      | 16                                                       | 18                                                                | 59                                                           | 32                                                    | 69                                                  | 65                                             |
| 321                   | 145                  | 38                   | 103                  | 81                            | 81                            | 44                                                      | 10                                                       | 20                                                                | 62                                                           | 27                                                    | 70                                                  | 66                                             |
| 322                   | 145                  | 59                   | 103                  | 81                            | 81                            | 45                                                      | 14                                                       | 21                                                                | 62                                                           | 32                                                    | 70                                                  | 69                                             |
| 323                   | 146                  | 21                   | 104                  | 81                            | 81                            | 45                                                      | 15                                                       | 22                                                                | 60                                                           | 29                                                    | 69                                                  | 74                                             |
| 325                   | 147                  | 3                    | *                    | *                             | *                             | 42                                                      | 16                                                       | 21                                                                | 46                                                           | 27                                                    | 69                                                  | 67                                             |
| 326                   | 147                  | 24                   | 102                  | 82                            | 81                            | 30                                                      | *                                                        | *                                                                 | 46                                                           | *                                                     | *                                                   | *                                              |
| 327                   | 147                  | 46                   | 103                  | 82                            | 82                            | 51                                                      | 15                                                       | 20                                                                | 46                                                           | 24                                                    | 70                                                  | 102                                            |
| 328                   | 148                  | 7                    | 102                  | 81                            | 82                            | 54                                                      | 19                                                       | 19                                                                | 56                                                           | 29                                                    | 67                                                  | 122                                            |
| 329                   | 148                  | 28                   | *                    | 81                            | 83                            | 54                                                      | 20                                                       | 19                                                                | 52                                                           | 32                                                    | 70                                                  | 126                                            |
| 330                   | 148                  | 58                   | 102                  | 81                            | 82                            | 52                                                      | 18                                                       | 24                                                                | 57                                                           | 28                                                    | 66                                                  | 127                                            |
| 331                   | 149                  | 11                   | 102                  | 81                            | 82                            | 51                                                      | 20                                                       | 22                                                                | 59                                                           | 31                                                    | 67                                                  | 124                                            |
| 332                   | 149                  | 32                   | 102                  | 81                            | 82                            | 51                                                      | 19                                                       | 24                                                                | 57                                                           | 31                                                    | 68                                                  | 119                                            |
| 333                   | 149                  | 54                   | 102                  | 81                            | 82                            | 54                                                      | 21                                                       | 20                                                                | 62                                                           | 24                                                    | 69                                                  | 127                                            |
| 334                   | 150                  | 15                   | 102                  | 81                            | 82                            | 53                                                      | 20                                                       | 24                                                                | 59                                                           | 26                                                    | 69                                                  | 127                                            |
| 335                   | 150                  | 36                   | 103                  | 81                            | 82                            | 52                                                      | 18                                                       | 20                                                                | 56                                                           | 29                                                    | 69                                                  | 128                                            |
| 336                   | 150                  | 58                   | *                    | 80                            | 80                            | 52                                                      | 19                                                       | 22                                                                | 54                                                           | 31                                                    | 70                                                  | 127                                            |
| 337                   | 151                  | 19                   | 102                  | 79                            | 80                            | 53                                                      | 21                                                       | 22                                                                | 56                                                           | 29                                                    | 64                                                  | 127                                            |
| 338                   | 151                  | 40                   | 102                  | 80                            | 80                            | 52                                                      | 18                                                       | 21                                                                | 53                                                           | 27                                                    | 68                                                  | 124                                            |
| 339                   | *                    | *                    | 102                  | 80                            | 80                            | 52                                                      | 18                                                       | 21                                                                | 59                                                           | 27                                                    | 66                                                  | 126                                            |
| 340                   | 152                  | 23                   | 101                  | 80                            | 80                            | 54                                                      | 18                                                       | 20                                                                | 46                                                           | 23                                                    | 67                                                  | 125                                            |
| 341                   | 152                  | 44                   | *                    | *                             | 80                            | 51                                                      | 17                                                       | 22                                                                | 53                                                           | 25                                                    | 66                                                  | 123                                            |
| 342                   | 153                  | 6                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | 53                                                           | *                                                     | *                                                   | 121                                            |
| 343                   | 153                  | 27                   | 102                  | 80                            | 79                            | 52                                                      | 21                                                       | 22                                                                | *                                                            | *                                                     | *                                                   | *                                              |
| 344                   | 153                  | 48                   | 103                  | 80                            | 80                            | 52                                                      | 18                                                       | 19                                                                | 59                                                           | 22                                                    | 66                                                  | 120                                            |
| 345                   | 154                  | 10                   | 102                  | 80                            | 80                            | 53                                                      | 16                                                       | 23                                                                | 57                                                           | 29                                                    | 66                                                  | 121                                            |
| 346                   | 154                  | 31                   | 102                  | 80                            | 80                            | 50                                                      | 18                                                       | 21                                                                | 51                                                           | 28                                                    | 67                                                  | 120                                            |
| 347                   | 154                  | 52                   | 102                  | 80                            | 83                            | 50                                                      | 16                                                       | 22                                                                | 52                                                           | 29                                                    | 68                                                  | 116                                            |
| 348                   | 155                  | 14                   | 102                  | 80                            | 79                            | 51                                                      | 19                                                       | 20                                                                | 57                                                           | 27                                                    | 67                                                  | 118                                            |
| 349                   | 155                  | 35                   | 102                  | 80                            | 82                            | 53                                                      | 16                                                       | 22                                                                | 56                                                           | 26                                                    | 67                                                  | 118                                            |
| 350                   | 155                  | 56                   | 102                  | 80                            | 82                            | 50                                                      | 17                                                       | 21                                                                | 51                                                           | 23                                                    | 66                                                  | 115                                            |
| 351                   | 155                  | 18                   | 102                  | 80                            | 82                            | 50                                                      | 16                                                       | 21                                                                | 48                                                           | 23                                                    | 66                                                  | 114                                            |
| 352                   | 156                  | 39                   | 102                  | 80                            | 82                            | 52                                                      | 17                                                       | 21                                                                | 47                                                           | 26                                                    | 66                                                  | 116                                            |
| 353                   | 157                  | 0                    | 102                  | 80                            | 81                            | 51                                                      | 16                                                       | 19                                                                | 56                                                           | 24                                                    | 68                                                  | 116                                            |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 354                   | 137                  | 22                   | 103                  | 80                            | 82                            | 52                                                      | 17                                                       | 21                                                                | 52                                                           | 25                                                    | 68                                                  | 116                                            |
| 355                   | 137                  | 43                   | *                    | 80                            | 82                            | 54                                                      | 16                                                       | 20                                                                | 53                                                           | 23                                                    | 67                                                  | 116                                            |
| 356                   | 158                  | 4                    | *                    | 80                            | 81                            | 51                                                      | 16                                                       | 20                                                                | 96                                                           | 23                                                    | 64                                                  | 115                                            |
| 357                   | 151                  | 14                   | 101                  | 77                            | 81                            | 50                                                      | 16                                                       | 22                                                                | 96                                                           | 26                                                    | 68                                                  | 102                                            |
| 358                   | 154                  | 56                   | 102                  | 77                            | 81                            | 49                                                      | 18                                                       | 19                                                                | 56                                                           | 26                                                    | 63                                                  | 107                                            |
| 359                   | 156                  | 36                   | 102                  | 77                            | 81                            | 49                                                      | 15                                                       | 20                                                                | 56                                                           | 23                                                    | 66                                                  | 102                                            |
| 360                   | 156                  | 13                   | 103                  | 77                            | 81                            | 51                                                      | 14                                                       | 22                                                                | 44                                                           | 22                                                    | 64                                                  | 98                                             |
| 361                   | 158                  | 13                   | 103                  | 81                            | 81                            | 48                                                      | 15                                                       | 18                                                                | 43                                                           | 25                                                    | 66                                                  | 97                                             |
| 362                   | 171                  | 38                   | 104                  | 81                            | 81                            | 48                                                      | 15                                                       | 18                                                                | 43                                                           | 25                                                    | 66                                                  | 97                                             |
| 363                   | 171                  | 59                   | 104                  | 81                            | 81                            | 48                                                      | 11                                                       | 19                                                                | 57                                                           | 28                                                    | 66                                                  | 96                                             |
| 364                   | 172                  | 20                   | 103                  | 81                            | 81                            | 45                                                      | 12                                                       | 20                                                                | 43                                                           | 24                                                    | 66                                                  | 95                                             |
| 365                   | *                    | *                    | 103                  | 81                            | 81                            | 45                                                      | 14                                                       | 17                                                                | 43                                                           | 21                                                    | 65                                                  | 95                                             |
| 366                   | *                    | *                    | 103                  | 81                            | 81                            | 46                                                      | 13                                                       | 18                                                                | 55                                                           | 23                                                    | 65                                                  | 98                                             |
| 367                   | 173                  | 23                   | 103                  | 81                            | 81                            | 45                                                      | 12                                                       | 20                                                                | 53                                                           | 27                                                    | 66                                                  | 92                                             |
| 368                   | 173                  | 44                   | *                    | 81                            | 81                            | 46                                                      | 20                                                       | 20                                                                | 48                                                           | 24                                                    | 66                                                  | 92                                             |
| 369                   | 174                  | 6                    | *                    | *                             | *                             | *                                                       | *                                                        | 10                                                                | 48                                                           | 23                                                    | 67                                                  | 92                                             |
| 370                   | 174                  | 27                   | 104                  | *                             | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | 32                                             |
| 371                   | 175                  | 46                   | 104                  | 81                            | 81                            | 46                                                      | 15                                                       | 17                                                                | 69                                                           | 21                                                    | 67                                                  | 23                                             |
| 372                   | 175                  | 9                    | 105                  | 81                            | 81                            | 45                                                      | 17                                                       | 19                                                                | 60                                                           | 26                                                    | 66                                                  | 85                                             |
| 373                   | 175                  | 30                   | 105                  | 81                            | 81                            | 47                                                      | 13                                                       | 21                                                                | 50                                                           | 27                                                    | 67                                                  | 86                                             |
| 374                   | 176                  | 51                   | 105                  | 81                            | 81                            | 45                                                      | 16                                                       | 19                                                                | 54                                                           | 23                                                    | 67                                                  | 89                                             |
| 375                   | 176                  | 12                   | 105                  | 81                            | 81                            | 45                                                      | 16                                                       | 19                                                                | 54                                                           | 23                                                    | 67                                                  | 89                                             |
| 376                   | 176                  | 33                   | *                    | 81                            | 81                            | 48                                                      | 19                                                       | 21                                                                | 49                                                           | 24                                                    | 68                                                  | 89                                             |
| 377                   | 176                  | 54                   | 105                  | 81                            | 82                            | 47                                                      | 17                                                       | 20                                                                | 47                                                           | 28                                                    | 69                                                  | 91                                             |
| 378                   | 177                  | 15                   | 104                  | 81                            | 81                            | 46                                                      | 16                                                       | 22                                                                | 56                                                           | 26                                                    | 70                                                  | 91                                             |
| 379                   | 177                  | 36                   | 104                  | 81                            | 81                            | 48                                                      | 16                                                       | 21                                                                | 53                                                           | 29                                                    | 69                                                  | 93                                             |
| 380                   | 177                  | 57                   | 104                  | 81                            | 81                            | 49                                                      | 16                                                       | 21                                                                | 58                                                           | 29                                                    | 70                                                  | 96                                             |
| 381                   | 178                  | 16                   | 104                  | 81                            | 81                            | 49                                                      | 17                                                       | 22                                                                | 49                                                           | 32                                                    | 68                                                  | 101                                            |
| 382                   | 178                  | 39                   | 103                  | 81                            | 81                            | 48                                                      | 18                                                       | 18                                                                | 54                                                           | 29                                                    | 66                                                  | 104                                            |
| 383                   | 179                  | 1                    | 103                  | 81                            | 81                            | 49                                                      | 18                                                       | 20                                                                | 42                                                           | 26                                                    | 68                                                  | 111                                            |
| 384                   | 179                  | 22                   | 103                  | 81                            | 81                            | 49                                                      | 16                                                       | 24                                                                | 62                                                           | 29                                                    | 67                                                  | 110                                            |
| 385                   | 180                  | 43                   | 103                  | 72                            | 74                            | 48                                                      | 19                                                       | 22                                                                | 54                                                           | 29                                                    | 67                                                  | 99                                             |
| 386                   | 180                  | 4                    | 100                  | 74                            | 74                            | 49                                                      | 20                                                       | 21                                                                | 51                                                           | 29                                                    | 72                                                  | 105                                            |
| 387                   | 180                  | 26                   | 100                  | 73                            | 74                            | 51                                                      | 20                                                       | 22                                                                | 53                                                           | 27                                                    | 67                                                  | 102                                            |
| 388                   | 180                  | 47                   | 102                  | 73                            | 74                            | 48                                                      | 17                                                       | 22                                                                | 49                                                           | 32                                                    | 68                                                  | 99                                             |
| 389                   | 181                  | 9                    | 101                  | 73                            | 74                            | 46                                                      | 16                                                       | 19                                                                | 46                                                           | 30                                                    | 69                                                  | 81                                             |
| 390                   | 181                  | 30                   | 101                  | 73                            | 73                            | 45                                                      | 16                                                       | 19                                                                | 48                                                           | 28                                                    | 65                                                  | 78                                             |
| 391                   | 181                  | 52                   | 100                  | 74                            | 74                            | 45                                                      | 17                                                       | 21                                                                | 59                                                           | 31                                                    | 68                                                  | 84                                             |
| 392                   | 182                  | 13                   | 101                  | 73                            | 74                            | 45                                                      | 18                                                       | 21                                                                | 47                                                           | 30                                                    | 70                                                  | 81                                             |
| 393                   | 182                  | 35                   | 100                  | 73                            | 74                            | 46                                                      | 19                                                       | 21                                                                | 48                                                           | 32                                                    | 67                                                  | 97                                             |
| 394                   | 183                  | 56                   | 99                   | 74                            | 74                            | 53                                                      | 18                                                       | 21                                                                | 59                                                           | 30                                                    | 69                                                  | 124                                            |
| 395                   | 183                  | 17                   | 99                   | 74                            | 74                            | 53                                                      | 19                                                       | 23                                                                | 59                                                           | 30                                                    | 69                                                  | *                                              |
| 396                   | 184                  | 0                    | 100                  | 65                            | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | *                                              |
| 397                   | 184                  | 22                   | 99                   | 22                            | 74                            | 28                                                      | 12                                                       | 19                                                                | 49                                                           | 28                                                    | 66                                                  | 25                                             |
| 398                   | 184                  | 97                   | 97                   | 22                            | 74                            | 30                                                      | 13                                                       | 20                                                                | 51                                                           | 26                                                    | 68                                                  | 21                                             |
| 399                   | 188                  | 52                   | 102                  | 79                            | 74                            | 45                                                      | 18                                                       | 22                                                                | 63                                                           | 27                                                    | 67                                                  | 78                                             |
| 400                   | 191                  | 14                   | 102                  | 78                            | 76                            | 45                                                      | 18                                                       | 22                                                                | 60                                                           | 29                                                    | 67                                                  | 74                                             |
| 401                   | 191                  | 35                   | 102                  | 77                            | 76                            | 43                                                      | 15                                                       | 21                                                                | 66                                                           | 27                                                    | 66                                                  | 74                                             |
| 402                   | 191                  | 56                   | 101                  | 77                            | 77                            | 43                                                      | 17                                                       | 20                                                                | 54                                                           | 23                                                    | 68                                                  | 71                                             |
| 403                   | 192                  | 18                   | 100                  | 77                            | 76                            | 43                                                      | 16                                                       | 22                                                                | 61                                                           | 22                                                    | 66                                                  | 85                                             |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 404                   | 192                  | 39                   | *                    | 78                            | 78                            | 54                                                      | 23                                                       | 22                                                                | 58                                                           | 28                                                    | 66                                                  | 132                                            |
| 405                   | 193                  | 1                    | 100                  | 77                            | 77                            | 51                                                      | 19                                                       | 22                                                                | 51                                                           | 29                                                    | 67                                                  | 129                                            |
| 406                   | 193                  | 22                   | 100                  | 77                            | 78                            | 52                                                      | 21                                                       | 21                                                                | 43                                                           | 30                                                    | 68                                                  | 128                                            |
| 407                   | 193                  | 44                   | 101                  | 77                            | 78                            | 49                                                      | 18                                                       | 20                                                                | 46                                                           | 26                                                    | 68                                                  | 124                                            |
| 408                   | 194                  | 5                    | 100                  | 77                            | 78                            | 49                                                      | 18                                                       | 23                                                                | 41                                                           | 26                                                    | 69                                                  | 124                                            |
| 409                   | 194                  | 27                   | 100                  | 77                            | 78                            | 50                                                      | 19                                                       | 23                                                                | 46                                                           | 28                                                    | 68                                                  | 123                                            |
| 410                   | 194                  | 68                   | 101                  | 77                            | 78                            | 51                                                      | 20                                                       | 21                                                                | 50                                                           | 23                                                    | 65                                                  | 122                                            |
| 411                   | 195                  | 18                   | 101                  | 77                            | 78                            | 50                                                      | 20                                                       | 20                                                                | 52                                                           | 23                                                    | 65                                                  | 123                                            |
| 412                   | 195                  | 31                   | 101                  | 77                            | 78                            | 51                                                      | 20                                                       | 21                                                                | 41                                                           | *                                                     | *                                                   | *                                              |
| 413                   | 195                  | 53                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | 65                                                  | 121                                            |
| 414                   | 196                  | 14                   | *                    | 77                            | 76                            | 49                                                      | 18                                                       | 22                                                                | 49                                                           | 24                                                    | 65                                                  | 120                                            |
| 415                   | *                    | *                    | 101                  | 78                            | 78                            | 51                                                      | 19                                                       | 20                                                                | 50                                                           | 27                                                    | 66                                                  | 119                                            |
| 416                   | 203                  | 37                   | 105                  | 84                            | 85                            | 52                                                      | 17                                                       | 21                                                                | 60                                                           | 22                                                    | 68                                                  | 123                                            |
| 417                   | 203                  | 58                   | *                    | 84                            | 85                            | 53                                                      | 18                                                       | 22                                                                | 62                                                           | 23                                                    | 67                                                  | 123                                            |
| 418                   | 204                  | 20                   | 104                  | 84                            | 85                            | 51                                                      | 16                                                       | 21                                                                | 59                                                           | 26                                                    | 68                                                  | 126                                            |
| 419                   | 209                  | 19                   | 184                  | 84                            | 85                            | 51                                                      | 16                                                       | 22                                                                | 49                                                           | 31                                                    | 70                                                  | 113                                            |
| 420                   | 209                  | 40                   | 104                  | 84                            | 85                            | 53                                                      | 16                                                       | 24                                                                | 59                                                           | 31                                                    | 72                                                  | 114                                            |
| 421                   | 210                  | 1                    | 104                  | 84                            | 85                            | 48                                                      | 18                                                       | 21                                                                | 51                                                           | 32                                                    | 69                                                  | 115                                            |
| 422                   | 210                  | 22                   | 105                  | 84                            | 85                            | 48                                                      | 18                                                       | 24                                                                | 54                                                           | 28                                                    | 68                                                  | 118                                            |
| 423                   | 210                  | 44                   | 105                  | 85                            | 85                            | 48                                                      | 18                                                       | 22                                                                | 58                                                           | 32                                                    | 72                                                  | 107                                            |
| 424                   | 211                  | 5                    | *                    | 84                            | 85                            | 48                                                      | 17                                                       | 21                                                                | 53                                                           | 29                                                    | 69                                                  | 108                                            |
| 425                   | 212                  | 40                   | 101                  | 84                            | 85                            | 38                                                      | 18                                                       | 18                                                                | 51                                                           | 27                                                    | 66                                                  | 42                                             |
| 426                   | 212                  | 41                   | *                    | 54                            | 90                            | 34                                                      | 12                                                       | 14                                                                | 49                                                           | 25                                                    | 87                                                  | 37                                             |
| 427                   | 213                  | 3                    | 100                  | 22                            | 90                            | 27                                                      | 12                                                       | 13                                                                | 53                                                           | 23                                                    | 66                                                  | 22                                             |
| 428                   | 213                  | 24                   | 99                   | 22                            | 91                            | 29                                                      | 14                                                       | 13                                                                | 51                                                           | 27                                                    | 68                                                  | 21                                             |
| 429                   | 213                  | 46                   | 100                  | 21                            | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | *                                              |
| 430                   | 214                  | 7                    | 97                   | 22                            | 90                            | 29                                                      | 12                                                       | 13                                                                | 57                                                           | 23                                                    | 69                                                  | 22                                             |
| 431                   | *                    | *                    | 100                  | 22                            | 90                            | 28                                                      | 11                                                       | 14                                                                | 44                                                           | 23                                                    | 66                                                  | 19                                             |
| 432                   | 214                  | 50                   | 104                  | 22                            | 90                            | 30                                                      | 13                                                       | 18                                                                | 49                                                           | 29                                                    | 67                                                  | 21                                             |
| 433                   | 215                  | 11                   | 103                  | 22                            | 90                            | 28                                                      | 15                                                       | 10                                                                | 50                                                           | 29                                                    | 67                                                  | 20                                             |
| 434                   | 215                  | 33                   | 98                   | 22                            | 90                            | 30                                                      | 15                                                       | 13                                                                | 54                                                           | 26                                                    | 67                                                  | 23                                             |
| 435                   | 215                  | 54                   | 97                   | 23                            | 91                            | 30                                                      | 13                                                       | 13                                                                | 53                                                           | 23                                                    | 67                                                  | 23                                             |
| 436                   | 216                  | 16                   | 98                   | 22                            | 91                            | 32                                                      | 15                                                       | 13                                                                | 53                                                           | 28                                                    | 68                                                  | 25                                             |
| 437                   | 216                  | 37                   | 104                  | 22                            | 90                            | 30                                                      | 13                                                       | 12                                                                | 51                                                           | 31                                                    | 68                                                  | 20                                             |
| 438                   | 216                  | 53                   | 97                   | 23                            | 90                            | 32                                                      | 14                                                       | 12                                                                | 53                                                           | 29                                                    | 66                                                  | 23                                             |
| 439                   | 217                  | 20                   | 98                   | *                             | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | *                                              |
| 440                   | 217                  | 40                   | 103                  | 22                            | 90                            | 30                                                      | 15                                                       | 15                                                                | 51                                                           | 30                                                    | 69                                                  | 18                                             |
| 441                   | *                    | 0                    | *                    | 23                            | 90                            | 30                                                      | 13                                                       | 20                                                                | 50                                                           | 27                                                    | 68                                                  | 19                                             |
| 442                   | 218                  | 25                   | *                    | 22                            | 90                            | 30                                                      | 15                                                       | 14                                                                | 51                                                           | 30                                                    | 68                                                  | 22                                             |
| 443                   | 218                  | 46                   | 99                   | 22                            | 90                            | 30                                                      | 15                                                       | 14                                                                | 47                                                           | 30                                                    | 69                                                  | 22                                             |
| 444                   | 219                  | 8                    | 103                  | 22                            | 93                            | 29                                                      | 14                                                       | 16                                                                | 49                                                           | 30                                                    | 67                                                  | 19                                             |
| 445                   | 219                  | 29                   | 103                  | 22                            | 90                            | 27                                                      | 12                                                       | 17                                                                | 49                                                           | 28                                                    | 67                                                  | 20                                             |
| 446                   | 219                  | 50                   | 99                   | 23                            | 90                            | 30                                                      | 13                                                       | 14                                                                | 46                                                           | 26                                                    | 67                                                  | 20                                             |
| 447                   | 220                  | 12                   | 98                   | 23                            | 90                            | 30                                                      | 16                                                       | 13                                                                | 53                                                           | 26                                                    | 66                                                  | 23                                             |
| 448                   | 220                  | 34                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | 53                                                           | 26                                                    | 67                                                  | 22                                             |
| 449                   | *                    | *                    | 98                   | 23                            | 91                            | 30                                                      | 13                                                       | 14                                                                | 46                                                           | 29                                                    | 65                                                  | 21                                             |
| 450                   | 221                  | 17                   | 99                   | 22                            | 90                            | 30                                                      | 13                                                       | 13                                                                | 44                                                           | 27                                                    | 67                                                  | 23                                             |
| 451                   | 221                  | 38                   | 99                   | 22                            | 91                            | 30                                                      | 14                                                       | 13                                                                | 53                                                           | 27                                                    | 66                                                  | 22                                             |
| 452                   | 222                  | 0                    | 100                  | 22                            | 90                            | 30                                                      | 12                                                       | 12                                                                | 52                                                           | 24                                                    | 66                                                  | 22                                             |
| 453                   | 222                  | 21                   | 104                  | 33                            | 90                            | 40                                                      | 14                                                       | 18                                                                | 54                                                           | 26                                                    | 68                                                  | 39                                             |



| -81<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 454                   | 222                  | 42                   | 97                   | 73                            | 90                            | 40                                                      | 16                                                       | 17                                                                | 62                                                           | 27                                                    | 69                                                  | 50                                             |
| 455                   | 223                  | 4                    | 102                  | 69                            | 85                            | 43                                                      | 17                                                       | 20                                                                | 63                                                           | 25                                                    | 66                                                  | 59                                             |
| 456                   | 223                  | 25                   | *                    | *                             | *                             | 44                                                      | 20                                                       | 22                                                                | 66                                                           | 23                                                    | 68                                                  | 57                                             |
| 457                   | 223                  | 47                   | 98                   | 61                            | 77                            | 41                                                      | 15                                                       | 22                                                                | 56                                                           | 22                                                    | 67                                                  | 55                                             |
| 458                   | 224                  | 7                    | 97                   | 61                            | 77                            | 41                                                      | 17                                                       | 20                                                                | 65                                                           | 23                                                    | 66                                                  | 57                                             |
| 459                   | 224                  | 30                   | 98                   | 61                            | 77                            | 42                                                      | 16                                                       | 20                                                                | 66                                                           | 24                                                    | 67                                                  | 55                                             |
| 460                   | 224                  | 52                   | 99                   | 60                            | 77                            | 41                                                      | 17                                                       | 21                                                                | 67                                                           | 24                                                    | 67                                                  | 55                                             |
| 461                   | 225                  | 13                   | *                    | 66                            | 74                            | 40                                                      | 19                                                       | 22                                                                | 46                                                           | 26                                                    | 66                                                  | 81                                             |
| 462                   | 225                  | 35                   | 96                   | *                             | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | 89                                             |
| 463                   | 225                  | *                    | 99                   | 67                            | 75                            | 49                                                      | 20                                                       | 22                                                                | 51                                                           | 22                                                    | 69                                                  | 93                                             |
| 464                   | 226                  | 18                   | *                    | 68                            | 73                            | 51                                                      | 20                                                       | 22                                                                | 51                                                           | 26                                                    | 66                                                  | 92                                             |
| 465                   | 226                  | 40                   | 98                   | 68                            | 73                            | 46                                                      | 18                                                       | 21                                                                | 46                                                           | 23                                                    | 66                                                  | 95                                             |
| 466                   | 227                  | 2                    | 96                   | 62                            | 72                            | 46                                                      | 19                                                       | 22                                                                | 53                                                           | 26                                                    | 66                                                  | 82                                             |
| 467                   | 227                  | 23                   | 96                   | 63                            | 73                            | 46                                                      | 18                                                       | 20                                                                | 45                                                           | 26                                                    | 63                                                  | 76                                             |
| 468                   | 227                  | 45                   | *                    | *                             | 73                            | 46                                                      | 15                                                       | 21                                                                | 52                                                           | 25                                                    | 66                                                  | 75                                             |
| 469                   | 227                  | 7                    | 97                   | 63                            | 73                            | 45                                                      | 19                                                       | 21                                                                | 59                                                           | 21                                                    | 64                                                  | 78                                             |
| 470                   | 228                  | 29                   | 97                   | 63                            | 74                            | 43                                                      | 17                                                       | 22                                                                | 48                                                           | 26                                                    | 64                                                  | 77                                             |
| 471                   | 228                  | 50                   | 97                   | 66                            | 78                            | 48                                                      | 19                                                       | 21                                                                | 51                                                           | 26                                                    | 65                                                  | 87                                             |
| 472                   | 229                  | 12                   | 98                   | 66                            | 74                            | 47                                                      | 18                                                       | 22                                                                | 51                                                           | 25                                                    | 65                                                  | 87                                             |
| 473                   | 229                  | 34                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | 25                                                    | 66                                                  | 86                                             |
| 474                   | 229                  | 56                   | 97                   | 66                            | 73                            | 45                                                      | 19                                                       | 20                                                                | 53                                                           | 26                                                    | 65                                                  | 86                                             |
| 475                   | 230                  | 17                   | 98                   | 66                            | 73                            | 47                                                      | 16                                                       | 22                                                                | 51                                                           | 27                                                    | 65                                                  | 87                                             |
| 476                   | 230                  | 39                   | 99                   | 66                            | 73                            | 57                                                      | 20                                                       | 23                                                                | 46                                                           | 25                                                    | 67                                                  | 149                                            |
| 477                   | 231                  | 1                    | 102                  | 83                            | 25                            | 52                                                      | 23                                                       | 22                                                                | 59                                                           | 23                                                    | 65                                                  | 139                                            |
| 478                   | 231                  | 22                   | 103                  | 89                            | 25                            | 54                                                      | 23                                                       | 22                                                                | 50                                                           | 21                                                    | *                                                   | *                                              |
| 479                   | 231                  | 43                   | *                    | 89                            | 25                            | 52                                                      | 20                                                       | 23                                                                | 51                                                           | 27                                                    | 67                                                  | 135                                            |
| 480                   | 232                  | 4                    | 103                  | 89                            | 25                            | 50                                                      | 20                                                       | 22                                                                | 55                                                           | 25                                                    | 66                                                  | 134                                            |
| 481                   | 232                  | 26                   | 101                  | 89                            | 25                            | 53                                                      | 20                                                       | 22                                                                | 52                                                           | 29                                                    | 67                                                  | 131                                            |
| 482                   | 232                  | 47                   | 98                   | 89                            | 26                            | 58                                                      | 21                                                       | 21                                                                | 53                                                           | 27                                                    | 65                                                  | 132                                            |
| 483                   | 233                  | 9                    | 99                   | 88                            | 25                            | 55                                                      | 22                                                       | 24                                                                | 49                                                           | 27                                                    | 66                                                  | 132                                            |
| 484                   | 233                  | 30                   | 99                   | 89                            | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | *                                              |
| 485                   | 233                  | *                    | 98                   | 89                            | 25                            | 57                                                      | 22                                                       | 24                                                                | 52                                                           | 27                                                    | 67                                                  | 149                                            |
| 486                   | 234                  | 14                   | 99                   | 89                            | 25                            | 58                                                      | 25                                                       | 22                                                                | 50                                                           | 29                                                    | 66                                                  | 148                                            |
| 487                   | 234                  | 38                   | 97                   | 89                            | 25                            | 58                                                      | 22                                                       | 24                                                                | 59                                                           | 27                                                    | 67                                                  | 142                                            |
| 488                   | 234                  | 57                   | 98                   | 89                            | 26                            | 57                                                      | 21                                                       | 24                                                                | 59                                                           | 25                                                    | 66                                                  | 149                                            |
| 489                   | 235                  | 19                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | 56                                                           | 27                                                    | 66                                                  | 149                                            |
| 490                   | 235                  | 40                   | 102                  | 82                            | 36                            | 51                                                      | 20                                                       | 24                                                                | 46                                                           | 25                                                    | 66                                                  | 135                                            |
| 491                   | 236                  | 2                    | 99                   | 76                            | 52                            | 53                                                      | 21                                                       | 23                                                                | 49                                                           | 25                                                    | 68                                                  | 134                                            |
| 492                   | 236                  | 23                   | 99                   | 78                            | 52                            | 54                                                      | 21                                                       | 26                                                                | 46                                                           | 26                                                    | 67                                                  | 137                                            |
| 493                   | 236                  | 45                   | 98                   | 75                            | 51                            | 54                                                      | 21                                                       | 23                                                                | 48                                                           | 27                                                    | 65                                                  | 136                                            |
| 494                   | 237                  | 3                    | *                    | 76                            | 47                            | 53                                                      | 22                                                       | 22                                                                | 48                                                           | 27                                                    | 65                                                  | 137                                            |
| 495                   | 237                  | 28                   | 99                   | 79                            | 42                            | 52                                                      | 20                                                       | 22                                                                | 56                                                           | 27                                                    | 68                                                  | 139                                            |
| 496                   | 237                  | 50                   | 99                   | 78                            | 42                            | 55                                                      | 20                                                       | 23                                                                | 59                                                           | 24                                                    | 69                                                  | 141                                            |
| 497                   | 238                  | 11                   | 98                   | 79                            | 42                            | 53                                                      | 22                                                       | 24                                                                | 52                                                           | 29                                                    | 64                                                  | 140                                            |
| 498                   | 238                  | 33                   | 99                   | 79                            | 41                            | 51                                                      | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | *                                              |
| 499                   | 238                  | *                    | 99                   | 79                            | 42                            | 57                                                      | 22                                                       | 23                                                                | 46                                                           | 22                                                    | 70                                                  | 139                                            |
| 500                   | 239                  | 16                   | 97                   | 70                            | 47                            | 49                                                      | 21                                                       | 22                                                                | 51                                                           | 24                                                    | 66                                                  | 136                                            |
| 501                   | 239                  | 38                   | 97                   | 75                            | 53                            | 54                                                      | 22                                                       | 22                                                                | 54                                                           | 23                                                    | 67                                                  | 136                                            |
| 502                   | 240                  | 0                    | 97                   | 75                            | 53                            | 54                                                      | 19                                                       | 22                                                                | 54                                                           | 24                                                    | 69                                                  | *                                              |
| 503                   | 240                  | *                    | 97                   | 74                            | 53                            | 50                                                      | 19                                                       | 22                                                                | 50                                                           | 24                                                    | 69                                                  | 131                                            |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 504                   | 240                  | 43                   | 98                   | 72                            | 52                            | 51                                                      | 20                                                       | 24                                                                | 50                                                           | 24                                                    | 66                                                  | 124                                            |
| 505                   | 241                  | 5                    | 98                   | 73                            | 70                            | 48                                                      | 18                                                       | 20                                                                | 52                                                           | 26                                                    | 68                                                  | 114                                            |
| 506                   | 241                  | 27                   | 98                   | 73                            | 69                            | 50                                                      | 18                                                       | 21                                                                | 59                                                           | 27                                                    | 0                                                   | *                                              |
| 507                   | 241                  | *                    | 98                   | 73                            | 70                            | 50                                                      | 19                                                       | 24                                                                | 48                                                           | 22                                                    | 66                                                  | 116                                            |
| 508                   | 242                  | 18                   | 98                   | 73                            | 69                            | 49                                                      | 20                                                       | 22                                                                | 46                                                           | 26                                                    | 64                                                  | 114                                            |
| 509                   | 242                  | 32                   | 100                  | 76                            | 75                            | 48                                                      | 17                                                       | 22                                                                | 56                                                           | 24                                                    | 67                                                  | 110                                            |
| 510                   | 242                  | 53                   | 100                  | 76                            | 76                            | 51                                                      | 18                                                       | 25                                                                | 59                                                           | 24                                                    | 63                                                  | *                                              |
| 511                   | 242                  | *                    | 100                  | 76                            | 76                            | 48                                                      | 18                                                       | 21                                                                | 51                                                           | 23                                                    | 66                                                  | 121                                            |
| 512                   | 243                  | 36                   | 101                  | 76                            | 77                            | 48                                                      | 20                                                       | 24                                                                | 52                                                           | 23                                                    | 67                                                  | 122                                            |
| 513                   | 243                  | 58                   | 100                  | 76                            | 76                            | 53                                                      | 18                                                       | 22                                                                | 51                                                           | 25                                                    | 68                                                  | 123                                            |
| 514                   | 244                  | 20                   | 100                  | 76                            | 77                            | 52                                                      | 17                                                       | 22                                                                | 53                                                           | 26                                                    | 66                                                  | 119                                            |
| 515                   | 244                  | *                    | 100                  | 76                            | 77                            | 48                                                      | 21                                                       | 23                                                                | 49                                                           | 26                                                    | 68                                                  | 104                                            |
| 516                   | 245                  | 2                    | 100                  | 76                            | 74                            | 48                                                      | 21                                                       | 21                                                                | 43                                                           | 29                                                    | 67                                                  | 107                                            |
| 517                   | 245                  | 24                   | 101                  | 76                            | 74                            | 49                                                      | 18                                                       | 22                                                                | 49                                                           | 28                                                    | 71                                                  | 106                                            |
| 518                   | 245                  | 45                   | *                    | 76                            | 74                            | 52                                                      | 19                                                       | 24                                                                | 51                                                           | 24                                                    | 66                                                  | 119                                            |
| 519                   | 245                  | *                    | 100                  | 76                            | 74                            | 51                                                      | 22                                                       | 23                                                                | 65                                                           | 29                                                    | 66                                                  | 125                                            |
| 520                   | 246                  | 29                   | 100                  | 76                            | 74                            | 50                                                      | 18                                                       | 21                                                                | 53                                                           | 29                                                    | 66                                                  | 125                                            |
| 521                   | 246                  | 50                   | 100                  | 76                            | 74                            | 53                                                      | 20                                                       | 24                                                                | 57                                                           | 27                                                    | 68                                                  | 125                                            |
| 522                   | 247                  | 12                   | 100                  | 74                            | 67                            | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | *                                              |
| 523                   | 247                  | 33                   | 100                  | 73                            | 74                            | 53                                                      | 23                                                       | 23                                                                | 51                                                           | 25                                                    | 69                                                  | 122                                            |
| 524                   | 247                  | 55                   | 100                  | 73                            | 75                            | 49                                                      | 21                                                       | 23                                                                | 56                                                           | 26                                                    | 67                                                  | 125                                            |
| 525                   | 248                  | 16                   | 100                  | 73                            | 75                            | 49                                                      | 20                                                       | 24                                                                | 59                                                           | 23                                                    | 66                                                  | 111                                            |
| 526                   | 248                  | 38                   | *                    | *                             | *                             | 49                                                      | 20                                                       | 24                                                                | 48                                                           | 25                                                    | 66                                                  | 109                                            |
| 527                   | 248                  | 59                   | 101                  | 73                            | 73                            | 48                                                      | 18                                                       | 22                                                                | 52                                                           | 26                                                    | 67                                                  | 89                                             |
| 528                   | 249                  | 21                   | 102                  | 74                            | 73                            | 38                                                      | 16                                                       | 18                                                                | 46                                                           | 25                                                    | 69                                                  | 69                                             |
| 529                   | 249                  | 42                   | 101                  | 73                            | 73                            | 45                                                      | 16                                                       | 21                                                                | 62                                                           | 27                                                    | 68                                                  | 78                                             |
| 530                   | 249                  | *                    | 100                  | 74                            | 73                            | 48                                                      | 17                                                       | 24                                                                | 51                                                           | 26                                                    | 69                                                  | 95                                             |
| 531                   | 250                  | 25                   | 99                   | 74                            | 73                            | 42                                                      | 17                                                       | 22                                                                | 51                                                           | 27                                                    | 68                                                  | 67                                             |
| 532                   | 250                  | 47                   | 99                   | 74                            | 73                            | 40                                                      | 17                                                       | 21                                                                | 51                                                           | 23                                                    | 66                                                  | 68                                             |
| 533                   | 251                  | 9                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | 51                                                           | 24                                                    | 66                                                  | 72                                             |
| 534                   | 251                  | 30                   | 100                  | 74                            | 73                            | 41                                                      | 17                                                       | 20                                                                | 53                                                           | 24                                                    | 67                                                  | 67                                             |
| 535                   | 251                  | 52                   | 99                   | 73                            | 73                            | 40                                                      | 17                                                       | 19                                                                | 54                                                           | 31                                                    | 66                                                  | *                                              |
| 536                   | 252                  | 13                   | 99                   | 73                            | 73                            | 42                                                      | 18                                                       | 23                                                                | 46                                                           | 29                                                    | *                                                   | *                                              |
| 537                   | 252                  | 35                   | 98                   | 74                            | 73                            | 42                                                      | 20                                                       | 21                                                                | 54                                                           | 30                                                    | 69                                                  | 64                                             |
| 538                   | 252                  | 57                   | 100                  | 74                            | 73                            | 45                                                      | 18                                                       | 22                                                                | 52                                                           | 30                                                    | 67                                                  | 66                                             |
| 539                   | 253                  | 16                   | 100                  | 74                            | 73                            | 45                                                      | 17                                                       | 22                                                                | 48                                                           | 29                                                    | 67                                                  | 65                                             |
| 540                   | 253                  | 2                    | 98                   | 74                            | 73                            | 28                                                      | 13                                                       | 14                                                                | 51                                                           | 27                                                    | 66                                                  | 23                                             |
| 541                   | 254                  | 23                   | 99                   | 22                            | 71                            | 29                                                      | 14                                                       | 11                                                                | 57                                                           | 32                                                    | 64                                                  | 26                                             |
| 542                   | 254                  | *                    | 49                   | *                             | *                             | 2                                                       | 4                                                        | 5                                                                 | 11                                                           | 29                                                    | 23                                                  | 0                                              |
| 543                   | 255                  | 7                    | *                    | *                             | *                             | *                                                       | 2                                                        | 8                                                                 | 5                                                            | 35                                                    | 3                                                   | 2                                              |
| 544                   | 255                  | *                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                                 | *                                                            | *                                                     | *                                                   | *                                              |

HH-53C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG-1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 308                   | 141                  | 0                    | *                                                       |
| 309                   | 141                  | 22                   | *                                                       |
| 310                   | 141                  | 43                   | *                                                       |
| 311                   | *                    | 1                    | *                                                       |
| 312                   | 142                  | 26                   | *                                                       |
| 313                   | 142                  | 47                   | 0                                                       |
| 314                   | 143                  | 9                    | 0                                                       |
| 315                   | 143                  | 30                   | 16                                                      |
| 316                   | 143                  | 52                   | 15                                                      |
| 317                   | 144                  | 13                   | 20                                                      |
| 318                   | 144                  | 34                   | 20                                                      |
| 319                   | 144                  | 56                   | 18                                                      |
| 320                   | 145                  | 17                   | 23                                                      |
| 321                   | 145                  | 38                   | 16                                                      |
| 322                   | 145                  | 59                   | 20                                                      |
| 323                   | 146                  | 21                   | 21                                                      |
| 324                   | 147                  | 1                    | 21                                                      |
| 325                   | 147                  | 24                   | *                                                       |
| 326                   | 147                  | 46                   | 22                                                      |
| 327                   | 147                  | 7                    | 22                                                      |
| 328                   | 148                  | 28                   | 23                                                      |
| 329                   | 148                  | 50                   | 22                                                      |
| 330                   | 148                  | 11                   | 22                                                      |
| 331                   | 149                  | 32                   | 22                                                      |
| 332                   | 149                  | 54                   | 23                                                      |
| 333                   | 149                  | 15                   | 71                                                      |
| 334                   | 150                  | 36                   | 23                                                      |
| 335                   | 150                  | 58                   | 21                                                      |
| 336                   | 151                  | 19                   | 22                                                      |
| 337                   | 151                  | 40                   | 21                                                      |
| 338                   | 151                  | *                    | 22                                                      |
| 339                   | 152                  | 23                   | 21                                                      |
| 340                   | 152                  | 44                   | 21                                                      |
| 341                   | 153                  | 6                    | 21                                                      |
| 342                   | 153                  | 27                   | *                                                       |
| 343                   | 153                  | 48                   | 20                                                      |
| 344                   | 153                  | 10                   | 20                                                      |
| 345                   | 154                  | 31                   | 21                                                      |
| 346                   | 154                  | 52                   | 20                                                      |
| 347                   | 154                  | 14                   | 22                                                      |
| 348                   | 155                  | 35                   | 20                                                      |
| 349                   | 155                  | 56                   | 20                                                      |
| 350                   | 155                  | 18                   | 20                                                      |
| 351                   | 156                  | 39                   | 20                                                      |
| 352                   | 156                  | 0                    | 20                                                      |
| 353                   | 157                  | 20                   | 20                                                      |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG-1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 354                   | 157                  | 22                   | 20                                                      |
| 355                   | 157                  | 43                   | 21                                                      |
| 356                   | 158                  | 4                    | 20                                                      |
| 357                   | 161                  | 14                   | 18                                                      |
| 358                   | 164                  | 56                   | 22                                                      |
| 359                   | 166                  | 36                   | 19                                                      |
| 360                   | 168                  | 13                   | 19                                                      |
| 361                   | 171                  | 38                   | 17                                                      |
| 362                   | 171                  | 59                   | 17                                                      |
| 363                   | 172                  | 20                   | 17                                                      |
| 364                   | *                    | *                    | 16                                                      |
| 365                   | *                    | *                    | 12                                                      |
| 366                   | 173                  | 23                   | 17                                                      |
| 367                   | 173                  | 44                   | 18                                                      |
| 368                   | 174                  | 6                    | 18                                                      |
| 369                   | 174                  | 27                   | 19                                                      |
| 370                   | 174                  | 68                   | *                                                       |
| 371                   | 175                  | 9                    | *                                                       |
| 372                   | 175                  | 30                   | 19                                                      |
| 373                   | 175                  | 51                   | 16                                                      |
| 374                   | 176                  | 12                   | 19                                                      |
| 375                   | 176                  | 38                   | 21                                                      |
| 376                   | 176                  | 54                   | 21                                                      |
| 377                   | 177                  | 15                   | 22                                                      |
| 378                   | 177                  | 36                   | 21                                                      |
| 379                   | 177                  | 57                   | 21                                                      |
| 380                   | 178                  | 18                   | 21                                                      |
| 381                   | 178                  | 39                   | 21                                                      |
| 382                   | 179                  | 1                    | 21                                                      |
| 383                   | 179                  | 22                   | 21                                                      |
| 384                   | 179                  | 43                   | 21                                                      |
| 385                   | 180                  | 4                    | 21                                                      |
| 386                   | 180                  | 26                   | 21                                                      |
| 387                   | 180                  | 47                   | 21                                                      |
| 388                   | 181                  | 9                    | 21                                                      |
| 389                   | 181                  | 30                   | 17                                                      |
| 390                   | 181                  | 52                   | 18                                                      |
| 391                   | 182                  | 13                   | 20                                                      |
| 392                   | 182                  | 35                   | 22                                                      |
| 393                   | 182                  | 56                   | 20                                                      |
| 394                   | 183                  | 17                   | *                                                       |
| 395                   | 183                  | 33                   | 22                                                      |
| 396                   | 184                  | 0                    | 16                                                      |
| 397                   | 184                  | 22                   | 13                                                      |
| 398                   | *                    | *                    | 13                                                      |
| 399                   | 190                  | 52                   | 20                                                      |
| 400                   | 191                  | 14                   | 19                                                      |
| 401                   | 191                  | 35                   | 21                                                      |
| 402                   | 191                  | 56                   | 16                                                      |
| 403                   | 192                  | 18                   | 20                                                      |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG. 1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|
| 404                   | 192                  | 34                   | 22                                                       |
| 405                   | 193                  | 1                    | 21                                                       |
| 406                   | 193                  | 22                   | 21                                                       |
| 407                   | 193                  | 44                   | 23                                                       |
| 408                   | 194                  | 5                    | 23                                                       |
| 409                   | 194                  | 27                   | 22                                                       |
| 410                   | 194                  | 48                   | 21                                                       |
| 411                   | 195                  | 10                   | 22                                                       |
| 412                   | 195                  | 31                   | *                                                        |
| 413                   | 195                  | 53                   | 21                                                       |
| 414                   | 196                  | 14                   | 22                                                       |
| 415                   | *                    | 22                   | 22                                                       |
| 416                   | 203                  | 37                   | 22                                                       |
| 417                   | 203                  | 58                   | 21                                                       |
| 418                   | 204                  | 20                   | 21                                                       |
| 419                   | 209                  | 19                   | 22                                                       |
| 420                   | 209                  | 40                   | 23                                                       |
| 421                   | 210                  | 1                    | 21                                                       |
| 422                   | 210                  | 22                   | 22                                                       |
| 423                   | 210                  | 44                   | 21                                                       |
| 424                   | 211                  | 5                    | 22                                                       |
| 425                   | 212                  | 20                   | 20                                                       |
| 426                   | 212                  | 41                   | 15                                                       |
| 427                   | 213                  | 3                    | 14                                                       |
| 428                   | 213                  | 24                   | 14                                                       |
| 429                   | 213                  | 46                   | *                                                        |
| 430                   | 214                  | 7                    | 14                                                       |
| 431                   | *                    | *                    | 14                                                       |
| 432                   | 214                  | 50                   | 14                                                       |
| 433                   | 215                  | 11                   | 13                                                       |
| 434                   | 215                  | 13                   | 14                                                       |
| 435                   | 215                  | 54                   | 14                                                       |
| 436                   | 216                  | 16                   | 14                                                       |
| 437                   | 216                  | 37                   | 14                                                       |
| 438                   | 216                  | 59                   | 14                                                       |
| 439                   | 217                  | 20                   | 14                                                       |
| 440                   | 217                  | 40                   | 14                                                       |
| 441                   | *                    | 0                    | 13                                                       |
| 442                   | 218                  | 25                   | 14                                                       |
| 443                   | 218                  | 46                   | 15                                                       |
| 444                   | 219                  | 8                    | 12                                                       |
| 445                   | 219                  | 29                   | 14                                                       |
| 446                   | 219                  | 50                   | 13                                                       |
| 447                   | 220                  | 12                   | 14                                                       |
| 448                   | 220                  | 34                   | 15                                                       |
| 449                   | *                    | *                    | 15                                                       |
| 450                   | 221                  | 17                   | 14                                                       |
| 451                   | 221                  | 38                   | 15                                                       |
| 452                   | 222                  | 0                    | 13                                                       |
| 453                   | 222                  | 21                   | 15                                                       |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG-1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 454                   | 222                  | 42                   | 20                                                      |
| 455                   | 223                  | 4                    | *                                                       |
| 456                   | 223                  | 25                   | 15                                                      |
| 457                   | 223                  | 47                   | 20                                                      |
| 458                   | 224                  | 7                    | 22                                                      |
| 459                   | 224                  | 30                   | 21                                                      |
| 460                   | 224                  | 52                   | 21                                                      |
| 461                   | 225                  | 13                   | 24                                                      |
| 462                   | 225                  | 35                   | 22                                                      |
| 463                   | *                    | *                    | 21                                                      |
| 464                   | 226                  | 18                   | 21                                                      |
| 465                   | 226                  | 40                   | 22                                                      |
| 466                   | 227                  | 2                    | 22                                                      |
| 467                   | 227                  | 23                   | 19                                                      |
| 468                   | 227                  | 45                   | 20                                                      |
| 469                   | 228                  | 7                    | 22                                                      |
| 470                   | 228                  | 29                   | 20                                                      |
| 471                   | 228                  | 50                   | 21                                                      |
| 472                   | 229                  | 12                   | 22                                                      |
| 473                   | 229                  | 34                   | 21                                                      |
| 474                   | 229                  | 56                   | 19                                                      |
| 475                   | 230                  | 7                    | 21                                                      |
| 476                   | 230                  | 39                   | 23                                                      |
| 477                   | 231                  | 1                    | 23                                                      |
| 478                   | 231                  | 22                   | *                                                       |
| 479                   | 231                  | 43                   | 22                                                      |
| 480                   | 232                  | 4                    | 21                                                      |
| 481                   | 232                  | 26                   | 22                                                      |
| 482                   | 232                  | 47                   | 25                                                      |
| 483                   | 233                  | 9                    | 24                                                      |
| 484                   | 233                  | 30                   | *                                                       |
| 485                   | *                    | *                    | 23                                                      |
| 486                   | 234                  | 14                   | 24                                                      |
| 487                   | 234                  | 35                   | 22                                                      |
| 488                   | 234                  | 57                   | 24                                                      |
| 489                   | 235                  | 19                   | 24                                                      |
| 490                   | 235                  | 40                   | 23                                                      |
| 491                   | 236                  | 2                    | 24                                                      |
| 492                   | 236                  | 23                   | 24                                                      |
| 493                   | 236                  | 45                   | 23                                                      |
| 494                   | 237                  | 3                    | 23                                                      |
| 495                   | 237                  | 28                   | 23                                                      |
| 496                   | 237                  | 50                   | 23                                                      |
| 497                   | 238                  | 14                   | 23                                                      |
| 498                   | 238                  | 33                   | *                                                       |
| 499                   | *                    | *                    | 23                                                      |
| 500                   | 239                  | 16                   | 22                                                      |
| 501                   | 239                  | 38                   | 23                                                      |
| 502                   | 240                  | 0                    | *                                                       |
| 503                   | *                    | *                    | 22                                                      |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 504                   | 240                  | 43                   | 23                                                      |
| 505                   | 241                  | 5                    | 22                                                      |
| 506                   | 241                  | 27                   | *                                                       |
| 507                   | *                    | *                    | 22                                                      |
| 508                   | 242                  | 14                   | 21                                                      |
| 509                   | 242                  | 32                   | 22                                                      |
| 510                   | 242                  | 53                   | *                                                       |
| 511                   | *                    | *                    | 22                                                      |
| 512                   | 243                  | 36                   | 22                                                      |
| 513                   | 243                  | 58                   | 24                                                      |
| 514                   | 244                  | 20                   | *                                                       |
| 515                   | *                    | *                    | 22                                                      |
| 516                   | 245                  | 2                    | 22                                                      |
| 517                   | 245                  | 26                   | 22                                                      |
| 518                   | 245                  | 45                   | 23                                                      |
| 519                   | *                    | *                    | *                                                       |
| 520                   | 246                  | 29                   | 22                                                      |
| 521                   | 246                  | 50                   | 25                                                      |
| 522                   | 247                  | 12                   | 22                                                      |
| 523                   | 247                  | 33                   | *                                                       |
| 524                   | 247                  | 55                   | 23                                                      |
| 525                   | 248                  | 16                   | 23                                                      |
| 526                   | 248                  | 38                   | 21                                                      |
| 527                   | 248                  | 59                   | 22                                                      |
| 528                   | 248                  | 21                   | 22                                                      |
| 529                   | 249                  | 42                   | 20                                                      |
| 530                   | *                    | *                    | 21                                                      |
| 531                   | 250                  | 25                   | 18                                                      |
| 532                   | 250                  | 47                   | 20                                                      |
| 533                   | 251                  | 9                    | 21                                                      |
| 534                   | 251                  | 30                   | 21                                                      |
| 535                   | 251                  | 52                   | 21                                                      |
| 536                   | 252                  | 13                   | *                                                       |
| 537                   | 252                  | 35                   | 21                                                      |
| 538                   | 252                  | 57                   | 22                                                      |
| 539                   | 253                  | 18                   | 21                                                      |
| 541                   | 254                  | 2                    | 16                                                      |
| 542                   | 254                  | 23                   | 14                                                      |
| 543                   | *                    | *                    | 5                                                       |
| 544                   | 255                  | 7                    | 9                                                       |

HM-51C S/M 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PSIG | 2-12<br>2STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PSIG | 2-13<br>2STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PSIG | 2-14<br>2STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 386                   | 141                  | 3                    | -0                                                       | 0                                                         | 20                                                       | 20                                                       | 2850                                                      | 2972                                                     | 1041                                                     | 1031                                                     | 20                                                       | 7                                                        |
| 389                   | 141                  | 24                   | 5                                                        | 845                                                       | 856                                                      | 32                                                       | 2945                                                      | 2991                                                     | 1037                                                     | 1027                                                     | 4                                                        | 4                                                        |
| 390                   | 141                  | 46                   | 31                                                       | 2776                                                      | 2776                                                     | 21                                                       | 3008                                                      | 2937                                                     | 1035                                                     | 1033                                                     | 16                                                       | 9                                                        |
| 391                   | 142                  | 7                    | 24                                                       | 2844                                                      | 2861                                                     | 32                                                       | 2888                                                      | 2957                                                     | 1031                                                     | 1027                                                     | 4                                                        | 6                                                        |
| 392                   | 142                  | 20                   | 27                                                       | 2980                                                      | 2971                                                     | 21                                                       | 2958                                                      | 2952                                                     | 1035                                                     | 1033                                                     | 6                                                        | 10                                                       |
| 393                   | 142                  | 50                   | 32                                                       | 2885                                                      | 2976                                                     | 32                                                       | 2945                                                      | 2927                                                     | 1027                                                     | 1029                                                     | 2                                                        | 8                                                        |
| 394                   | *                    | 9                    | 21                                                       | 2915                                                      | 2941                                                     | 44                                                       | 2902                                                      | 2937                                                     | 1031                                                     | 1015                                                     | 2                                                        | 10                                                       |
| 395                   | 143                  | 29                   | *                                                        | *                                                         | *                                                        | *                                                        | *                                                         | *                                                        | *                                                        | 1015                                                     | 8                                                        | 10                                                       |
| 396                   | 143                  | 54                   | 32                                                       | 2885                                                      | 2961                                                     | 21                                                       | 3000                                                      | 2942                                                     | 1027                                                     | 1023                                                     | 4                                                        | *                                                        |
| 397                   | 144                  | 16                   | 49                                                       | 2885                                                      | 2961                                                     | 21                                                       | 2970                                                      | 2947                                                     | 1027                                                     | 1005                                                     | 8                                                        | 9                                                        |
| 398                   | 144                  | 37                   | 39                                                       | 2965                                                      | 2936                                                     | 32                                                       | 2888                                                      | 2902                                                     | 1021                                                     | 1009                                                     | 2                                                        | 9                                                        |
| 399                   | 144                  | 58                   | 21                                                       | 3020                                                      | 2941                                                     | 21                                                       | 2940                                                      | 2942                                                     | 1029                                                     | 1025                                                     | 2                                                        | 3                                                        |
| 400                   | 145                  | 19                   | 21                                                       | 2885                                                      | 2931                                                     | 19                                                       | 3002                                                      | 2942                                                     | 1033                                                     | 1027                                                     | -2                                                       | 9                                                        |
| 401                   | 145                  | 41                   | 60                                                       | 2885                                                      | 2966                                                     | 25                                                       | 2932                                                      | 2932                                                     | 1041                                                     | 1019                                                     | 20                                                       | 7                                                        |
| 402                   | 145                  | 2                    | 24                                                       | 2880                                                      | 2951                                                     | 30                                                       | 2880                                                      | 2902                                                     | 1041                                                     | 1011                                                     | 2                                                        | 18                                                       |
| 403                   | 146                  | 23                   | 11                                                       | 2965                                                      | 2926                                                     | 21                                                       | 2905                                                      | 2937                                                     | 1015                                                     | 1023                                                     | 0                                                        | 9                                                        |
| 404                   | 147                  | 6                    | 21                                                       | 2965                                                      | 2926                                                     | 26                                                       | 2885                                                      | 2917                                                     | 1015                                                     | 1027                                                     | 4                                                        | 9                                                        |
| 405                   | 147                  | 27                   | 21                                                       | 2980                                                      | 2956                                                     | 26                                                       | 2885                                                      | 2912                                                     | 1013                                                     | 1013                                                     | 0                                                        | 10                                                       |
| 406                   | *                    | *                    | *                                                        | *                                                         | *                                                        | 14                                                       | 2675                                                      | 2991                                                     | 1021                                                     | 1027                                                     | 0                                                        | 9                                                        |
| 407                   | 148                  | 10                   | 20                                                       | 2900                                                      | 2409                                                     | *                                                        | *                                                         | *                                                        | *                                                        | *                                                        | +                                                        | +                                                        |
| 408                   | 148                  | 31                   | 13                                                       | 2965                                                      | 2941                                                     | 21                                                       | 3000                                                      | 2962                                                     | 1021                                                     | 1009                                                     | 6                                                        | 12                                                       |
| 409                   | 148                  | 52                   | 21                                                       | 3020                                                      | 2931                                                     | 32                                                       | 2905                                                      | 2942                                                     | 1027                                                     | 1011                                                     | 0                                                        | 11                                                       |
| 410                   | 149                  | 14                   | 13                                                       | 2930                                                      | 2926                                                     | 19                                                       | 2945                                                      | 2937                                                     | 1021                                                     | 1009                                                     | 0                                                        | 12                                                       |
| 411                   | 149                  | 35                   | 40                                                       | 2915                                                      | 2906                                                     | 26                                                       | 2838                                                      | 2902                                                     | 1015                                                     | 1009                                                     | -4                                                       | 6                                                        |
| 412                   | 149                  | 56                   | 24                                                       | 2880                                                      | 2931                                                     | 32                                                       | 2805                                                      | 2897                                                     | 1017                                                     | 1011                                                     | 0                                                        | 9                                                        |
| 413                   | 149                  | 18                   | 19                                                       | 2880                                                      | 2961                                                     | 13                                                       | 2940                                                      | 2802                                                     | 1007                                                     | 1011                                                     | 0                                                        | 0                                                        |
| 414                   | 150                  | 39                   | 20                                                       | 2965                                                      | 2926                                                     | 32                                                       | 2870                                                      | 2902                                                     | 1021                                                     | 1015                                                     | 0                                                        | 3                                                        |
| 415                   | 150                  | 0                    | 23                                                       | 2930                                                      | 2911                                                     | 32                                                       | 2870                                                      | 2897                                                     | 1031                                                     | 1007                                                     | +                                                        | 5                                                        |
| 416                   | 151                  | 22                   | 40                                                       | 2885                                                      | 2911                                                     | 27                                                       | 2960                                                      | 2912                                                     | 1017                                                     | 1031                                                     | 4                                                        | 3                                                        |
| 417                   | 151                  | 43                   | 20                                                       | 2824                                                      | 2941                                                     | 21                                                       | 2920                                                      | 2972                                                     | 1011                                                     | 1031                                                     | +                                                        | 9                                                        |
| 418                   | 151                  | 43                   | 20                                                       | 2824                                                      | 2941                                                     | 21                                                       | 2920                                                      | 2972                                                     | 1011                                                     | 1031                                                     | +                                                        | 9                                                        |
| 419                   | 152                  | 4                    | 21                                                       | 2935                                                      | 2896                                                     | 26                                                       | 2970                                                      | 2917                                                     | 1015                                                     | 1021                                                     | 2                                                        | 5                                                        |
| 420                   | 152                  | 26                   | 30                                                       | 2915                                                      | 2961                                                     | 27                                                       | 2950                                                      | 2947                                                     | 1029                                                     | 1007                                                     | 4                                                        | 5                                                        |
| 421                   | 152                  | 47                   | 24                                                       | 2980                                                      | 2926                                                     | 26                                                       | 2905                                                      | 2942                                                     | 1017                                                     | 1011                                                     | 0                                                        | 5                                                        |
| 422                   | 153                  | 0                    | 24                                                       | 2880                                                      | 2951                                                     | 26                                                       | 2905                                                      | 2927                                                     | 1017                                                     | 1017                                                     | +                                                        | 2                                                        |
| 423                   | 153                  | 30                   | 20                                                       | 2930                                                      | 2915                                                     | 28                                                       | 2865                                                      | 2922                                                     | 1025                                                     | 1000                                                     | 10                                                       | 10                                                       |
| 424                   | 153                  | *                    | 20                                                       | 2930                                                      | 2915                                                     | 27                                                       | 2905                                                      | 2932                                                     | 1021                                                     | 1007                                                     | -6                                                       | 4                                                        |
| 425                   | 154                  | 12                   | *                                                        | *                                                         | 3012                                                     | 27                                                       | 2905                                                      | 2932                                                     | 1021                                                     | 1007                                                     | 0                                                        | 5                                                        |
| 426                   | 154                  | 34                   | 24                                                       | 2900                                                      | 2930                                                     | 27                                                       | 2600                                                      | *                                                        | *                                                        | *                                                        | +                                                        | +                                                        |
| 427                   | 154                  | 55                   | 24                                                       | 2980                                                      | 2941                                                     | 21                                                       | 2855                                                      | 2862                                                     | 1021                                                     | 1019                                                     | 0                                                        | 1                                                        |
| 428                   | 155                  | 16                   | 21                                                       | 2824                                                      | 2886                                                     | 25                                                       | 2855                                                      | 2922                                                     | 1021                                                     | 1023                                                     | 0                                                        | 5                                                        |
| 429                   | 155                  | 38                   | 41                                                       | 2935                                                      | 2896                                                     | 40                                                       | 2878                                                      | 2942                                                     | 1019                                                     | 1009                                                     | 4                                                        | 5                                                        |
| 430                   | 155                  | 59                   | 17                                                       | 2900                                                      | 2911                                                     | 21                                                       | 3000                                                      | 2942                                                     | 1015                                                     | 1013                                                     | 0                                                        | 10                                                       |
| 431                   | 155                  | 20                   | 17                                                       | 2824                                                      | 2886                                                     | 23                                                       | 2880                                                      | 2927                                                     | 1023                                                     | 1013                                                     | +                                                        | 5                                                        |
| 432                   | 156                  | 42                   | 14                                                       | 2824                                                      | 2901                                                     | 28                                                       | 2875                                                      | 2902                                                     | 1015                                                     | 1017                                                     | 0                                                        | 3                                                        |
| 433                   | 157                  | 3                    | 41                                                       | 2885                                                      | 2921                                                     | 24                                                       | 2960                                                      | 2897                                                     | 1015                                                     | 1015                                                     | +                                                        | 5                                                        |



| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>LAFT<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>CHAN)<br>PRESS<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>CHAN)<br>PRESS<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PRESS<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------|
| 354                   | 157                  | 24                   | 40                                                       | 2444                                                      | 3012                                                      | 32                                                       | 2860                                                      | 2937                                                              | 1017                                                         | 1087                                                         | +                                                                 | 5                                                       |
| 355                   | 157                  | 46                   | 23                                                       | 2880                                                      | 3012                                                      | 32                                                       | 2860                                                      | 2932                                                              | 1019                                                         | 1015                                                         | 0                                                                 | 5                                                       |
| 356                   | 158                  | 7                    | 23                                                       | 2970                                                      | 2971                                                      | 36                                                       | 2905                                                      | 2961                                                              | 1023                                                         | 1015                                                         | 0                                                                 | 4                                                       |
| 357                   | 161                  | 16                   | 14                                                       | 2970                                                      | 2906                                                      | 24                                                       | 2865                                                      | 2887                                                              | 1007                                                         | 993                                                          | 0                                                                 | 4                                                       |
| 358                   | 164                  | 59                   | 24                                                       | 2930                                                      | 2926                                                      | 20                                                       | 2920                                                      | 2882                                                              | 1007                                                         | 1007                                                         | +                                                                 | 4                                                       |
| 359                   | 166                  | 38                   | 32                                                       | 2915                                                      | 2906                                                      | 26                                                       | 2920                                                      | 2927                                                              | 1021                                                         | 1009                                                         | +                                                                 | 3                                                       |
| 360                   | 168                  | 15                   | 18                                                       | 2880                                                      | 2921                                                      | 25                                                       | 2865                                                      | 2882                                                              | 1009                                                         | 1009                                                         | +                                                                 | 10                                                      |
| 361                   | 171                  | 40                   | 34                                                       | 2814                                                      | 2886                                                      | 21                                                       | 2905                                                      | 2887                                                              | 1025                                                         | 1007                                                         | -4                                                                | 1                                                       |
| 362                   | 172                  | 1                    | 25                                                       | 2880                                                      | 2931                                                      | 14                                                       | 2885                                                      | 2882                                                              | 1003                                                         | 997                                                          | +                                                                 | 5                                                       |
| 363                   | 172                  | 23                   | 24                                                       | 3020                                                      | 2881                                                      | 20                                                       | 2885                                                      | 2902                                                              | 1021                                                         | 1001                                                         | 0                                                                 | 4                                                       |
| 364                   | 172                  | 44                   | 32                                                       | 2890                                                      | 2911                                                      | 22                                                       | 2888                                                      | 2847                                                              | 1009                                                         | 1007                                                         | +                                                                 | 5                                                       |
| 365                   | 173                  | 5                    | 13                                                       | 2880                                                      | 2921                                                      | 23                                                       | 2885                                                      | 2862                                                              | 1017                                                         | 1015                                                         | +                                                                 | 3                                                       |
| 366                   | 173                  | 26                   | 21                                                       | 2880                                                      | 2951                                                      | 23                                                       | 2885                                                      | 2907                                                              | 1011                                                         | 993                                                          | 0                                                                 | 2                                                       |
| 367                   | 173                  | 47                   | 22                                                       | 2839                                                      | 2961                                                      | 21                                                       | 2845                                                      | 2902                                                              | 1007                                                         | 999                                                          | +                                                                 | 5                                                       |
| 368                   | 174                  | 8                    | 32                                                       | 2898                                                      | 2911                                                      | 27                                                       | 2865                                                      | 2902                                                              | 1017                                                         | 993                                                          | 0                                                                 | 9                                                       |
| 369                   | 174                  | 29                   | 20                                                       | 2925                                                      | 2906                                                      | 20                                                       | 2905                                                      | 2912                                                              | 1007                                                         | 1007                                                         | +                                                                 | 4                                                       |
| 370                   | 174                  | 50                   | 30                                                       | 2839                                                      | 2891                                                      | 40                                                       | 2805                                                      | 2882                                                              | 1017                                                         | 1007                                                         | 0                                                                 | 3                                                       |
| 371                   | 174                  | +                    | 23                                                       | 2888                                                      | 2926                                                      | 32                                                       | 3008                                                      | 2902                                                              | 1013                                                         | 993                                                          | +                                                                 | 8                                                       |
| 372                   | 175                  | +                    | +                                                        | +                                                         | +                                                         | +                                                        | 2985                                                      | 2897                                                              | 1007                                                         | 1069                                                         | +                                                                 | 9                                                       |
| 373                   | 175                  | 50                   | 27                                                       | 2864                                                      | 2921                                                      | 32                                                       | 2870                                                      | 2912                                                              | +                                                            | 1089                                                         | +                                                                 | 9                                                       |
| 374                   | 176                  | 15                   | 29                                                       | 2980                                                      | 2906                                                      | 32                                                       | 2805                                                      | 2907                                                              | 1013                                                         | +                                                            | +                                                                 | 0                                                       |
| 375                   | 176                  | 36                   | 24                                                       | 2885                                                      | 2886                                                      | 40                                                       | 2805                                                      | 2942                                                              | 1023                                                         | 1007                                                         | +                                                                 | 0                                                       |
| 376                   | 176                  | 57                   | 41                                                       | 2925                                                      | 2916                                                      | 21                                                       | 2950                                                      | 2942                                                              | 1029                                                         | 1023                                                         | -8                                                                | 5                                                       |
| 377                   | 177                  | 18                   | 41                                                       | 2925                                                      | 2916                                                      | 21                                                       | 2805                                                      | 2897                                                              | 1029                                                         | 1025                                                         | 0                                                                 | 10                                                      |
| 378                   | 177                  | 34                   | 23                                                       | 2844                                                      | 2931                                                      | 40                                                       | 2805                                                      | 2902                                                              | 1019                                                         | 1015                                                         | 2                                                                 | 10                                                      |
| 379                   | 178                  | 0                    | 24                                                       | 2844                                                      | 2921                                                      | 24                                                       | 2805                                                      | 2862                                                              | 1007                                                         | 999                                                          | 0                                                                 | 14                                                      |
| 380                   | 178                  | 21                   | 32                                                       | 2930                                                      | 2921                                                      | 21                                                       | 2955                                                      | 2862                                                              | 1007                                                         | 1009                                                         | 0                                                                 | 6                                                       |
| 381                   | 178                  | 42                   | 49                                                       | 2900                                                      | 2906                                                      | 40                                                       | 3000                                                      | 2882                                                              | 1007                                                         | 1009                                                         | 0                                                                 | 9                                                       |
| 382                   | 179                  | 3                    | 32                                                       | 2900                                                      | 2906                                                      | 21                                                       | 2920                                                      | 2882                                                              | 1021                                                         | 995                                                          | 0                                                                 | 9                                                       |
| 383                   | 179                  | 24                   | 32                                                       | 2970                                                      | 2906                                                      | 27                                                       | 2805                                                      | 2867                                                              | 1007                                                         | 1009                                                         | +                                                                 | 8                                                       |
| 384                   | 179                  | 46                   | 23                                                       | 2844                                                      | 2956                                                      | 21                                                       | 3000                                                      | 2867                                                              | 1007                                                         | 1009                                                         | +                                                                 | 6                                                       |
| 385                   | 180                  | 7                    | 27                                                       | 2965                                                      | 2941                                                      | 26                                                       | 3020                                                      | 2932                                                              | 1023                                                         | 1005                                                         | -8                                                                | 9                                                       |
| 386                   | 180                  | 29                   | 29                                                       | 2844                                                      | 2971                                                      | 27                                                       | 2970                                                      | 2942                                                              | 1023                                                         | 1019                                                         | 16                                                                | 18                                                      |
| 387                   | 180                  | 50                   | 29                                                       | 2890                                                      | 2941                                                      | 41                                                       | 2865                                                      | 2937                                                              | 1025                                                         | 1015                                                         | 2                                                                 | 9                                                       |
| 388                   | 181                  | 11                   | 21                                                       | 2915                                                      | 2921                                                      | 40                                                       | 2850                                                      | 2937                                                              | 1035                                                         | 1009                                                         | 0                                                                 | 9                                                       |
| 389                   | 181                  | 13                   | 30                                                       | 2824                                                      | 2931                                                      | 40                                                       | 2850                                                      | 2937                                                              | 1015                                                         | 1001                                                         | +                                                                 | +                                                       |
| 390                   | 181                  | 54                   | 29                                                       | 2860                                                      | 2926                                                      | 22                                                       | 3000                                                      | 2917                                                              | 1008                                                         | 1001                                                         | +                                                                 | +                                                       |
| 391                   | 182                  | 16                   | 20                                                       | +                                                         | +                                                         | +                                                        | +                                                         | +                                                                 | +                                                            | +                                                            | +                                                                 | +                                                       |
| 392                   | 182                  | +                    | +                                                        | +                                                         | +                                                         | +                                                        | +                                                         | +                                                                 | +                                                            | +                                                            | +                                                                 | +                                                       |
| 393                   | 183                  | +                    | +                                                        | 2880                                                      | 2881                                                      | +                                                        | +                                                         | 2902                                                              | 1017                                                         | 1023                                                         | +                                                                 | 9                                                       |
| 394                   | 183                  | 20                   | 25                                                       | 2980                                                      | 2926                                                      | 28                                                       | 2770                                                      | 2981                                                              | 1029                                                         | 1009                                                         | 2                                                                 | 10                                                      |
| 395                   | 183                  | 42                   | 29                                                       | 2880                                                      | 2926                                                      | 27                                                       | 3000                                                      | 2892                                                              | 1025                                                         | 1009                                                         | 2                                                                 | 10                                                      |
| 396                   | 184                  | 3                    | 25                                                       | 2844                                                      | 2931                                                      | 32                                                       | 3085                                                      | 2937                                                              | 1045                                                         | 1013                                                         | 4                                                                 | 6                                                       |
| 397                   | 184                  | 25                   | 27                                                       | 2970                                                      | 2936                                                      | 41                                                       | 3000                                                      | 2937                                                              | 1023                                                         | 1015                                                         | 0                                                                 | 8                                                       |
| 398                   | 190                  | 33                   | 26                                                       | 2880                                                      | 2921                                                      | 32                                                       | 2865                                                      | 2932                                                              | 1021                                                         | 1015                                                         | 0                                                                 | 8                                                       |
| 399                   | 190                  | 55                   | 21                                                       | 2864                                                      | 2881                                                      | 29                                                       | 2865                                                      | 2867                                                              | 1009                                                         | 993                                                          | 0                                                                 | 9                                                       |
| 400                   | 191                  | 16                   | 21                                                       | 2814                                                      | 2921                                                      | 32                                                       | 2920                                                      | 2877                                                              | 1011                                                         | 1011                                                         | 0                                                                 | 8                                                       |
| 401                   | 191                  | 38                   | 24                                                       | 2849                                                      | 2911                                                      | 32                                                       | 2905                                                      | 2877                                                              | 1005                                                         | 1013                                                         | +                                                                 | 6                                                       |
| 402                   | 191                  | 59                   | 20                                                       | 2824                                                      | 2866                                                      | 21                                                       | 2925                                                      | 2922                                                              | 1017                                                         | 1017                                                         | +                                                                 | 5                                                       |
| 403                   | 192                  | 20                   | 25                                                       | 2930                                                      | 2911                                                      | 19                                                       | 2945                                                      | 2917                                                              | 1005                                                         | 1007                                                         | +                                                                 | 10                                                      |
|                       |                      |                      |                                                          |                                                           |                                                           | 26                                                       | 2860                                                      | 2892                                                              | 1009                                                         | 1015                                                         | +                                                                 | 6                                                       |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/VAM<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 404                   | 192                  | 42                   | 28                                                       | 2880                                                      | 2876                                                     | 22                                                       | 2855                                                      | 2892                                                     | 1000                                                         | 1015                                                        | +                                                        | 8                                                       |
| 405                   | 193                  | 5                    | 23                                                       | 2885                                                      | 2851                                                     | 20                                                       | 2920                                                      | 2922                                                     | 1017                                                         | 997                                                         | 0                                                        | 7                                                       |
| 406                   | 193                  | 25                   | 21                                                       | 2824                                                      | 2871                                                     | 27                                                       | 2970                                                      | 2922                                                     | 1009                                                         | 1007                                                        | 0                                                        | 7                                                       |
| 407                   | 193                  | 46                   | 24                                                       | 2849                                                      | 2876                                                     | 23                                                       | 2925                                                      | 2807                                                     | 1005                                                         | 997                                                         | +                                                        | 9                                                       |
| 408                   | 194                  | 8                    | 25                                                       | 2849                                                      | 2886                                                     | 28                                                       | 2950                                                      | 2867                                                     | 1009                                                         | 997                                                         | +                                                        | 6                                                       |
| 409                   | 194                  | 29                   | 32                                                       | 2920                                                      | 2921                                                     | 27                                                       | 2855                                                      | 2867                                                     | 1017                                                         | 987                                                         | +                                                        | 2                                                       |
| 410                   | 194                  | 51                   | 32                                                       | 2925                                                      | 2826                                                     | +                                                        | +                                                         | +                                                        | +                                                            | +                                                           | +                                                        | +                                                       |
| 411                   | +                    | +                    | +                                                        | +                                                         | +                                                        | +                                                        | 2845                                                      | 2897                                                     | 1007                                                         | 1003                                                        | +                                                        | 5                                                       |
| 412                   | +                    | +                    | 21                                                       | 2839                                                      | 2876                                                     | 24                                                       | 2805                                                      | 2892                                                     | 1009                                                         | 1001                                                        | +                                                        | 10                                                      |
| 413                   | 195                  | 55                   | 32                                                       | 2844                                                      | 2836                                                     | 23                                                       | 2920                                                      | 2892                                                     | 1021                                                         | 981                                                         | +                                                        | 4                                                       |
| 414                   | 196                  | 17                   | 29                                                       | 2844                                                      | 2921                                                     | 21                                                       | 2920                                                      | 2897                                                     | 1005                                                         | 993                                                         | +                                                        | 5                                                       |
| 415                   | 196                  | 38                   | 41                                                       | 2844                                                      | 2861                                                     | 27                                                       | 2870                                                      | 2882                                                     | 1015                                                         | 1007                                                        | 0                                                        | 3                                                       |
| 416                   | 203                  | 40                   | 29                                                       | 2970                                                      | 2951                                                     | 20                                                       | 2905                                                      | 2857                                                     | 1017                                                         | 1011                                                        | +                                                        | 6                                                       |
| 417                   | 204                  | 1                    | 14                                                       | 2930                                                      | 2961                                                     | 40                                                       | 3000                                                      | 2922                                                     | 1025                                                         | 1011                                                        | +                                                        | 10                                                      |
| 418                   | 204                  | 22                   | 17                                                       | 2900                                                      | 2915                                                     | 29                                                       | 2885                                                      | 2897                                                     | 1021                                                         | 1031                                                        | +                                                        | 9                                                       |
| 419                   | 209                  | 22                   | 40                                                       | 3020                                                      | 2881                                                     | 25                                                       | 2855                                                      | 2932                                                     | 1011                                                         | 1011                                                        | 0                                                        | 10                                                      |
| 420                   | 209                  | 43                   | 17                                                       | 2980                                                      | 2926                                                     | 29                                                       | 2900                                                      | 2932                                                     | 1023                                                         | 1007                                                        | +                                                        | 9                                                       |
| 421                   | 210                  | 4                    | 48                                                       | 2814                                                      | 2921                                                     | 34                                                       | 2865                                                      | 2897                                                     | 1021                                                         | 1005                                                        | +                                                        | 10                                                      |
| 422                   | 210                  | 25                   | 24                                                       | 2880                                                      | 2831                                                     | 26                                                       | 2865                                                      | 2912                                                     | 1017                                                         | 1017                                                        | 0                                                        | 10                                                      |
| 423                   | 210                  | 46                   | 32                                                       | 2900                                                      | 2971                                                     | 19                                                       | 2905                                                      | 2912                                                     | 1013                                                         | 1007                                                        | 0                                                        | 10                                                      |
| 424                   | 211                  | 7                    | 27                                                       | 2849                                                      | 2941                                                     | 25                                                       | 2865                                                      | 2942                                                     | 1021                                                         | 1085                                                        | +                                                        | 7                                                       |
| 425                   | 212                  | 23                   | 40                                                       | 2834                                                      | 2911                                                     | 27                                                       | 2845                                                      | 2882                                                     | 1000                                                         | 1011                                                        | +                                                        | 10                                                      |
| 426                   | 212                  | 44                   | 24                                                       | 2885                                                      | 2931                                                     | 32                                                       | 3000                                                      | 2882                                                     | 1009                                                         | 981                                                         | 0                                                        | 6                                                       |
| 427                   | 213                  | 5                    | 22                                                       | 2874                                                      | 2881                                                     | 32                                                       | 2805                                                      | 2887                                                     | 1000                                                         | +                                                           | +                                                        | +                                                       |
| 428                   | +                    | +                    | +                                                        | +                                                         | +                                                        | +                                                        | 650                                                       | 2892                                                     | 1027                                                         | 999                                                         | 0                                                        | 9                                                       |
| 429                   | 213                  | 48                   | 26                                                       | 2834                                                      | 2891                                                     | 32                                                       | 2905                                                      | 2892                                                     | 1029                                                         | 1007                                                        | -8                                                       | 9                                                       |
| 430                   | 214                  | 10                   | 21                                                       | 2844                                                      | 2961                                                     | 40                                                       | 2870                                                      | 2937                                                     | 1027                                                         | 1011                                                        | -8                                                       | 12                                                      |
| 431                   | 214                  | 31                   | 21                                                       | 2980                                                      | 2836                                                     | 27                                                       | 2865                                                      | 2892                                                     | 1015                                                         | 1017                                                        | 0                                                        | 12                                                      |
| 432                   | 214                  | 53                   | 24                                                       | 2880                                                      | 2931                                                     | 32                                                       | 2900                                                      | 2892                                                     | 1003                                                         | 1007                                                        | +                                                        | 5                                                       |
| 433                   | 215                  | 14                   | 24                                                       | 2880                                                      | 2881                                                     | 26                                                       | 2855                                                      | 2867                                                     | 1007                                                         | 981                                                         | -4                                                       | 12                                                      |
| 434                   | 215                  | 35                   | 26                                                       | 2930                                                      | 2896                                                     | 34                                                       | 3005                                                      | 2932                                                     | 1021                                                         | 1013                                                        | -2                                                       | 6                                                       |
| 435                   | 215                  | 57                   | 28                                                       | 2880                                                      | 2936                                                     | 48                                                       | 2845                                                      | 2897                                                     | 1031                                                         | 1027                                                        | -10                                                      | 10                                                      |
| 436                   | 216                  | 19                   | 26                                                       | 2970                                                      | 2906                                                     | 44                                                       | 3000                                                      | 2872                                                     | 1021                                                         | 1007                                                        | +                                                        | 10                                                      |
| 437                   | 216                  | 40                   | 26                                                       | 2849                                                      | 2961                                                     | 26                                                       | 2860                                                      | 2922                                                     | 1017                                                         | 806                                                         | +                                                        | +                                                       |
| 438                   | +                    | +                    | +                                                        | +                                                         | +                                                        | +                                                        | +                                                         | +                                                        | 1021                                                         | 1013                                                        | 4                                                        | 10                                                      |
| 439                   | 217                  | 23                   | 29                                                       | 2893                                                      | 2921                                                     | 39                                                       | 2925                                                      | 2922                                                     | 1037                                                         | 1019                                                        | 2                                                        | 6                                                       |
| 440                   | 217                  | 45                   | 40                                                       | 2864                                                      | 2845                                                     | 21                                                       | 2950                                                      | 2887                                                     | 1011                                                         | 1003                                                        | 2                                                        | 10                                                      |
| 441                   | 218                  | 6                    | 21                                                       | 2930                                                      | 2866                                                     | 21                                                       | 2915                                                      | 2902                                                     | 1017                                                         | 1003                                                        | +                                                        | 10                                                      |
| 442                   | 218                  | 27                   | 27                                                       | 2930                                                      | 2921                                                     | 30                                                       | 2850                                                      | 2917                                                     | 1021                                                         | 1011                                                        | +                                                        | 10                                                      |
| 443                   | 218                  | 49                   | 27                                                       | 2930                                                      | 2911                                                     | 40                                                       | 3010                                                      | 2922                                                     | 1023                                                         | 1019                                                        | 0                                                        | 11                                                      |
| 444                   | 219                  | 10                   | 13                                                       | 2824                                                      | 2886                                                     | 26                                                       | 2855                                                      | 2892                                                     | 1009                                                         | 1007                                                        | +                                                        | 9                                                       |
| 445                   | 219                  | 31                   | 40                                                       | 2824                                                      | 2886                                                     | 10                                                       | 2850                                                      | 2872                                                     | 1009                                                         | 1011                                                        | +                                                        | 8                                                       |
| 446                   | 219                  | 53                   | 32                                                       | 2824                                                      | 2911                                                     | 36                                                       | 2855                                                      | 2882                                                     | 1009                                                         | 993                                                         | -4                                                       | 0                                                       |
| 447                   | +                    | +                    | +                                                        | +                                                         | +                                                        | 32                                                       | 2805                                                      | 2922                                                     | 1013                                                         | 1019                                                        | -4                                                       | 10                                                      |
| 448                   | 220                  | 36                   | 27                                                       | 2940                                                      | 2886                                                     | 25                                                       | 2970                                                      | 2912                                                     | 1025                                                         | 1027                                                        | 4                                                        | 7                                                       |
| 449                   | 220                  | 58                   | 32                                                       | 2880                                                      | 2915                                                     | 21                                                       | 2920                                                      | 2942                                                     | 1019                                                         | 1001                                                        | 4                                                        | 7                                                       |
| 450                   | 221                  | 19                   | 24                                                       | 2885                                                      | 2896                                                     | 21                                                       | 2805                                                      | 2912                                                     | 1027                                                         | 1027                                                        | 4                                                        | 7                                                       |
| 451                   | 221                  | 41                   | 25                                                       | 2844                                                      | 2921                                                     | 27                                                       | 2920                                                      | 2912                                                     | 1027                                                         | 1009                                                        | 0                                                        | 10                                                      |
| 452                   | 222                  | 1                    | 29                                                       | 2910                                                      | 2921                                                     | 34                                                       | 2950                                                      | 2942                                                     | 1017                                                         | 1007                                                        | +                                                        | 10                                                      |
| 453                   | 222                  | 24                   | 40                                                       | 2614                                                      | 2871                                                     | 21                                                       | 2905                                                      | 2882                                                     | 1000                                                         | 993                                                         | +                                                        | 10                                                      |

| -81<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>(LEFT<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(LEFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 454                   | 222                  | 45                   | 23                                                       | 2965                                                      | 2866                                                      | 40                                                       | 2860                                                      | 2882                                                      | 1000                                                         | 987                                                         | +                                                        | +                                                       |
| 455                   | 223                  | +                    | +                                                        | 2960                                                      | 2876                                                      | 25                                                       | 2860                                                      | 2882                                                      | 1000                                                         | 987                                                         | +                                                        | +                                                       |
| 456                   | 223                  | 28                   | 32                                                       | 2930                                                      | 2906                                                      | 44                                                       | 2850                                                      | 2942                                                      | 1021                                                         | 1009                                                        | +                                                        | +                                                       |
| 457                   | 223                  | 49                   | 25                                                       | 2880                                                      | 2886                                                      | 13                                                       | 2905                                                      | 2987                                                      | 1021                                                         | 1003                                                        | 0                                                        | 0                                                       |
| 458                   | 224                  | 11                   | 29                                                       | 2890                                                      | 2916                                                      | 30                                                       | 2865                                                      | 2867                                                      | 1009                                                         | 1007                                                        | 0                                                        | 0                                                       |
| 459                   | 224                  | 33                   | 29                                                       | 2839                                                      | 2916                                                      | 24                                                       | 2880                                                      | 2882                                                      | 1025                                                         | 1007                                                        | 0                                                        | 0                                                       |
| 460                   | 224                  | 54                   | 32                                                       | 2874                                                      | 2911                                                      | 32                                                       | 2855                                                      | 2862                                                      | 1017                                                         | 1003                                                        | 2                                                        | 10                                                      |
| 461                   | 225                  | 16                   | +                                                        | +                                                         | +                                                         | +                                                        | +                                                         | +                                                         | +                                                            | 1017                                                        | 2                                                        | 9                                                       |
| 462                   | 225                  | 38                   | 28                                                       | 2930                                                      | 2926                                                      | 33                                                       | 2870                                                      | 2902                                                      | 1021                                                         | 1007                                                        | -2                                                       | 6                                                       |
| 463                   | 225                  | 59                   | 21                                                       | 2885                                                      | 2911                                                      | 32                                                       | 2855                                                      | 2927                                                      | 1007                                                         | 1023                                                        | -2                                                       | 10                                                      |
| 464                   | 226                  | 21                   | 30                                                       | 2960                                                      | 2931                                                      | 25                                                       | 2870                                                      | 2907                                                      | 1015                                                         | 1015                                                        | 2                                                        | 5                                                       |
| 465                   | 226                  | 42                   | 21                                                       | 2824                                                      | 2901                                                      | 29                                                       | 2850                                                      | 2922                                                      | 1007                                                         | 1007                                                        | 0                                                        | 10                                                      |
| 466                   | 227                  | 4                    | 30                                                       | 3020                                                      | 2941                                                      | 40                                                       | 2865                                                      | 2917                                                      | 1037                                                         | 1001                                                        | 0                                                        | 9                                                       |
| 467                   | 227                  | +                    | +                                                        | +                                                         | +                                                         | +                                                        | +                                                         | 2867                                                      | 1021                                                         | 995                                                         | -10                                                      | 10                                                      |
| 468                   | 227                  | 48                   | 29                                                       | 2880                                                      | 2871                                                      | 25                                                       | 2870                                                      | 2912                                                      | 1009                                                         | 1005                                                        | +                                                        | 6                                                       |
| 469                   | 228                  | 10                   | 30                                                       | 2920                                                      | 2881                                                      | 20                                                       | 2905                                                      | 2887                                                      | 1021                                                         | 1007                                                        | +                                                        | 9                                                       |
| 470                   | 228                  | 31                   | 25                                                       | 2880                                                      | 2901                                                      | 32                                                       | 2900                                                      | 2897                                                      | 1021                                                         | 1007                                                        | +                                                        | 6                                                       |
| 471                   | 228                  | 53                   | 32                                                       | 2874                                                      | 2911                                                      | 24                                                       | 2970                                                      | 2887                                                      | 1017                                                         | 1007                                                        | +                                                        | 6                                                       |
| 472                   | 229                  | 15                   | 28                                                       | 2864                                                      | 2931                                                      | 41                                                       | 2845                                                      | 2907                                                      | 1015                                                         | 1087                                                        | 0                                                        | +                                                       |
| 473                   | 229                  | 37                   | 22                                                       | 2824                                                      | 2921                                                      | 40                                                       | 2850                                                      | 2882                                                      | 1021                                                         | 1087                                                        | 0                                                        | 10                                                      |
| 474                   | 229                  | 58                   | 30                                                       | 2980                                                      | 2911                                                      | 40                                                       | 2870                                                      | 2987                                                      | 1007                                                         | 1007                                                        | +                                                        | 6                                                       |
| 475                   | 230                  | 20                   | 32                                                       | 2900                                                      | 2936                                                      | 32                                                       | 2905                                                      | 2917                                                      | 1025                                                         | 1029                                                        | 0                                                        | 6                                                       |
| 476                   | 230                  | 42                   | 25                                                       | 2900                                                      | 2841                                                      | 25                                                       | 2825                                                      | 2892                                                      | 800                                                          | 1029                                                        | +                                                        | 10                                                      |
| 477                   | 231                  | 3                    | 24                                                       | 2839                                                      | 2841                                                      | 25                                                       | 2825                                                      | 2892                                                      | 800                                                          | 1029                                                        | +                                                        | 10                                                      |
| 478                   | 231                  | +                    | 41                                                       | 2814                                                      | 2876                                                      | 40                                                       | 3000                                                      | 2862                                                      | 1000                                                         | 997                                                         | +                                                        | 10                                                      |
| 479                   | 231                  | 46                   | 24                                                       | 2839                                                      | 2881                                                      | 23                                                       | 2870                                                      | 2882                                                      | 1009                                                         | 995                                                         | +                                                        | 6                                                       |
| 480                   | 232                  | 7                    | 21                                                       | 2920                                                      | 2876                                                      | 32                                                       | 2920                                                      | 2872                                                      | 1000                                                         | 989                                                         | +                                                        | 5                                                       |
| 481                   | 232                  | 28                   | 24                                                       | 2880                                                      | 2901                                                      | 30                                                       | 3000                                                      | 2922                                                      | 1013                                                         | 1009                                                        | +                                                        | 9                                                       |
| 482                   | 232                  | 50                   | 31                                                       | 2930                                                      | 2916                                                      | 32                                                       | 2855                                                      | 2937                                                      | 1015                                                         | 1009                                                        | 0                                                        | 7                                                       |
| 483                   | 233                  | 12                   | 24                                                       | 2930                                                      | 2856                                                      | 40                                                       | +                                                         | +                                                         | +                                                            | +                                                           | +                                                        | +                                                       |
| 484                   | 233                  | 33                   | 27                                                       | 2925                                                      | 2866                                                      | 32                                                       | 3000                                                      | 2942                                                      | 1027                                                         | 1045                                                        | 2                                                        | 8                                                       |
| 485                   | 233                  | 55                   | 28                                                       | 2888                                                      | 2976                                                      | 40                                                       | 2865                                                      | 2937                                                      | 1025                                                         | 1023                                                        | -10                                                      | 6                                                       |
| 486                   | 234                  | 16                   | 27                                                       | 2970                                                      | 2881                                                      | 24                                                       | 2865                                                      | 2942                                                      | 1019                                                         | 1007                                                        | 0                                                        | 12                                                      |
| 487                   | 234                  | 38                   | 30                                                       | 2970                                                      | 2921                                                      | 21                                                       | 3810                                                      | 2942                                                      | 1021                                                         | 1007                                                        | 0                                                        | 6                                                       |
| 488                   | 235                  | 8                    | 25                                                       | 2517                                                      | 2921                                                      | +                                                        | +                                                         | +                                                         | +                                                            | +                                                           | +                                                        | +                                                       |
| 489                   | 235                  | 21                   | 27                                                       | 2930                                                      | 2906                                                      | 26                                                       | 3000                                                      | 2981                                                      | 1041                                                         | 1023                                                        | 20                                                       | 9                                                       |
| 490                   | 235                  | 43                   | 40                                                       | 2880                                                      | 2921                                                      | 40                                                       | 2895                                                      | 2892                                                      | 1000                                                         | 989                                                         | +                                                        | 9                                                       |
| 491                   | 236                  | 4                    | 29                                                       | 2844                                                      | 2906                                                      | 25                                                       | 3010                                                      | 2927                                                      | 1017                                                         | 1013                                                        | +                                                        | 6                                                       |
| 492                   | 236                  | 26                   | 29                                                       | 2890                                                      | 2951                                                      | 41                                                       | 2865                                                      | 2907                                                      | 1031                                                         | 1017                                                        | 4                                                        | 6                                                       |
| 493                   | 236                  | 47                   | +                                                        | +                                                         | +                                                         | +                                                        | +                                                         | +                                                         | +                                                            | 1015                                                        | +                                                        | 10                                                      |
| 494                   | 237                  | 9                    | 27                                                       | 2970                                                      | 2891                                                      | 32                                                       | 2905                                                      | 2917                                                      | 1025                                                         | 1005                                                        | -8                                                       | 10                                                      |
| 495                   | 237                  | 31                   | 29                                                       | 2860                                                      | 2961                                                      | 25                                                       | 3000                                                      | 2907                                                      | 1023                                                         | 1011                                                        | 4                                                        | 9                                                       |
| 496                   | 237                  | 52                   | 27                                                       | 2970                                                      | 2911                                                      | 40                                                       | 2850                                                      | 2937                                                      | 1027                                                         | 1023                                                        | 4                                                        | 12                                                      |
| 497                   | 238                  | 14                   | 28                                                       | 2869                                                      | 2916                                                      | 25                                                       | 2780                                                      | 2932                                                      | 1025                                                         | 1023                                                        | 0                                                        | 8                                                       |
| 498                   | 238                  | 36                   | 25                                                       | 2880                                                      | 2886                                                      | 32                                                       | 2905                                                      | 2932                                                      | 1007                                                         | 1015                                                        | 4                                                        | 6                                                       |
| 499                   | 238                  | 57                   | 26                                                       | 2970                                                      | 2921                                                      | 32                                                       | 2850                                                      | 2932                                                      | 1015                                                         | 1015                                                        | 0                                                        | 8                                                       |
| 500                   | 239                  | 19                   | 32                                                       | 2930                                                      | 2911                                                      | 14                                                       | 2845                                                      | 2982                                                      | 1029                                                         | 1007                                                        | 0                                                        | 6                                                       |
| 501                   | 239                  | 41                   | 21                                                       | 3020                                                      | 2911                                                      | 21                                                       | 2950                                                      | 2912                                                      | 1015                                                         | 1023                                                        | 8                                                        | 10                                                      |
| 502                   | 240                  | +                    | 23                                                       | 2724                                                      | 2896                                                      | 25                                                       | 2930                                                      | 2937                                                      | 1023                                                         | 1005                                                        | -4                                                       | 9                                                       |
| 503                   | 240                  | 24                   | 25                                                       | 2970                                                      | 2941                                                      | 32                                                       | 2805                                                      | 2917                                                      | 1021                                                         | 1009                                                        | 4                                                        | 6                                                       |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>INLET<br>PRESS<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| 504                   | 240                  | 46                   | 29                                                       | 2970                                                      | 2936                                                              | 27                                                       | 2900                                                      | 2942                                                      | 1015                                                        | 1025                                                        | 0                                                         | 10                                                      |
| 505                   | 241                  | 8                    | 29                                                       | 2880                                                      | 2896                                                              | 40                                                       | 2850                                                      | 2932                                                      | 1025                                                        | 1027                                                        | 0                                                         | 6                                                       |
| 506                   | 241                  | 27                   | 30                                                       | 2824                                                      | 2926                                                              | 40                                                       | 2925                                                      | 2897                                                      | 1011                                                        | 1023                                                        | 4                                                         | 6                                                       |
| 507                   | 241                  | 51                   | 23                                                       | 2965                                                      | 2891                                                              | 17                                                       | 2805                                                      | 2922                                                      | 1025                                                        | 1011                                                        | -6                                                        | 6                                                       |
| 508                   | 242                  | 13                   | 26                                                       | 2920                                                      | 2906                                                              | 40                                                       | 2850                                                      | 2877                                                      | 1011                                                        | 1019                                                        | -2                                                        | 10                                                      |
| 509                   | 242                  | 34                   | 26                                                       | 2930                                                      | 2856                                                              | 17                                                       | 2905                                                      | 2882                                                      | 1025                                                        | 1007                                                        | -10                                                       | 9                                                       |
| 510                   | 243                  | *                    | 29                                                       | 2885                                                      | 2876                                                              | 27                                                       | 2860                                                      | 2932                                                      | 1045                                                        | 1029                                                        | *                                                         | 10                                                      |
| 511                   | 243                  | 10                   | 24                                                       | 2880                                                      | 2856                                                              | 21                                                       | 2825                                                      | 2907                                                      | 1013                                                        | 997                                                         | -10                                                       | 5                                                       |
| 512                   | 243                  | 39                   | 29                                                       | 2844                                                      | 2876                                                              | 19                                                       | 3020                                                      | 2736                                                      | 1013                                                        | 999                                                         | 2                                                         | 9                                                       |
| 513                   | 244                  | 1                    | 30                                                       | 2824                                                      | 2896                                                              | 41                                                       | 2925                                                      | 2877                                                      | 1007                                                        | 1011                                                        | *                                                         | 6                                                       |
| 514                   | 244                  | *                    | 20                                                       | 2839                                                      | 2921                                                              | 25                                                       | 3010                                                      | 2907                                                      | 1013                                                        | 1013                                                        | *                                                         | 9                                                       |
| 515                   | 244                  | 44                   | 33                                                       | 2930                                                      | 2921                                                              | 20                                                       | 2820                                                      | 2867                                                      | 1000                                                        | 1009                                                        | *                                                         | 10                                                      |
| 516                   | 245                  | 5                    | 24                                                       | 2839                                                      | 2961                                                              | 21                                                       | 3000                                                      | 2847                                                      | 1021                                                        | 989                                                         | *                                                         | 6                                                       |
| 517                   | 245                  | 27                   | 32                                                       | 2824                                                      | 2891                                                              | 40                                                       | 2850                                                      | 2907                                                      | 1005                                                        | 1007                                                        | *                                                         | 5                                                       |
| 518                   | 246                  | *                    | 21                                                       | 2824                                                      | 2971                                                              | 32                                                       | 3000                                                      | 2917                                                      | 1017                                                        | 1023                                                        | *                                                         | 8                                                       |
| 519                   | 246                  | 10                   | 21                                                       | 2824                                                      | 2921                                                              | 32                                                       | 2805                                                      | 2912                                                      | 1005                                                        | 1009                                                        | *                                                         | 10                                                      |
| 520                   | 246                  | 31                   | 26                                                       | 2744                                                      | 2921                                                              | 32                                                       | 2805                                                      | 2877                                                      | 1013                                                        | 1007                                                        | *                                                         | 12                                                      |
| 521                   | 246                  | 53                   | 30                                                       | 2920                                                      | 2911                                                              | 20                                                       | 2900                                                      | 2897                                                      | 1023                                                        | 1007                                                        | -10                                                       | 12                                                      |
| 522                   | 247                  | 14                   | 27                                                       | 2930                                                      | 2911                                                              | 32                                                       | 2895                                                      | 2902                                                      | 1017                                                        | 993                                                         | -2                                                        | 9                                                       |
| 523                   | 247                  | 36                   | 26                                                       | 2970                                                      | 2926                                                              | 27                                                       | 3050                                                      | 2932                                                      | 1007                                                        | 1015                                                        | *                                                         | 10                                                      |
| 524                   | 247                  | 57                   | 30                                                       | 2925                                                      | 2881                                                              | 40                                                       | 2850                                                      | 2932                                                      | 1021                                                        | 1023                                                        | *                                                         | 10                                                      |
| 525                   | 248                  | 19                   | 32                                                       | 2920                                                      | 2931                                                              | 40                                                       | *                                                         | *                                                         | *                                                           | *                                                           | *                                                         | *                                                       |
| 526                   | 248                  | 41                   | 29                                                       | 2813                                                      | 2911                                                              | 25                                                       | 2850                                                      | 2887                                                      | 1015                                                        | 1007                                                        | *                                                         | 10                                                      |
| 527                   | 249                  | 2                    | 17                                                       | 2814                                                      | 2871                                                              | 22                                                       | 2810                                                      | 2837                                                      | 1011                                                        | 1001                                                        | -4                                                        | 14                                                      |
| 528                   | 249                  | 24                   | 40                                                       | 2839                                                      | 2831                                                              | 21                                                       | 2950                                                      | 2882                                                      | 1017                                                        | 1003                                                        | *                                                         | 9                                                       |
| 529                   | 250                  | *                    | 19                                                       | 2839                                                      | 2861                                                              | 25                                                       | 2865                                                      | 2897                                                      | 1007                                                        | 1007                                                        | *                                                         | 6                                                       |
| 530                   | 250                  | 7                    | 19                                                       | 2930                                                      | 2921                                                              | 33                                                       | 2920                                                      | 2897                                                      | 1013                                                        | 1003                                                        | 4                                                         | 10                                                      |
| 531                   | 250                  | 20                   | 26                                                       | 2930                                                      | 2921                                                              | 33                                                       | 2865                                                      | 2902                                                      | 1011                                                        | 1007                                                        | -4                                                        | 6                                                       |
| 532                   | 250                  | 50                   | 21                                                       | 2824                                                      | 2881                                                              | 32                                                       | 2805                                                      | 2892                                                      | 1017                                                        | 1007                                                        | *                                                         | *                                                       |
| 533                   | 251                  | 11                   | 20                                                       | 2824                                                      | 2921                                                              | 32                                                       | 2805                                                      | 2892                                                      | 1007                                                        | 1011                                                        | 4                                                         | 5                                                       |
| 534                   | 251                  | 33                   | 40                                                       | 2880                                                      | 2911                                                              | 19                                                       | 2940                                                      | 2922                                                      | 1033                                                        | 1027                                                        | 0                                                         | 7                                                       |
| 535                   | 251                  | 54                   | 21                                                       | 2824                                                      | 2896                                                              | 44                                                       | 2940                                                      | 2892                                                      | 1025                                                        | 993                                                         | -10                                                       | 5                                                       |
| 536                   | 252                  | *                    | 34                                                       | 2854                                                      | 2961                                                              | 44                                                       | 2815                                                      | 2902                                                      | 1011                                                        | 1027                                                        | *                                                         | 8                                                       |
| 537                   | 252                  | 30                   | 24                                                       | 2920                                                      | 2876                                                              | 26                                                       | 2920                                                      | 2932                                                      | 1025                                                        | 1015                                                        | *                                                         | 8                                                       |
| 538                   | 253                  | 59                   | 29                                                       | 2839                                                      | 2915                                                              | 23                                                       | 2940                                                      | 2892                                                      | 1025                                                        | 993                                                         | 8                                                         | 10                                                      |
| 539                   | 253                  | 21                   | *                                                        | 2930                                                      | 2881                                                              | *                                                        | *                                                         | *                                                         | 1011                                                        | 1011                                                        | 0                                                         | 8                                                       |
| 540                   | 254                  | 4                    | 32                                                       | 2930                                                      | 2881                                                              | 15                                                       | 2935                                                      | 2932                                                      | 1019                                                        | 1015                                                        | 2                                                         | 10                                                      |
| 541                   | 254                  | 4                    | 26                                                       | 2829                                                      | 2931                                                              | 21                                                       | 3020                                                      | 2961                                                      | 1041                                                        | 1015                                                        | *                                                         | 10                                                      |
| 542                   | 254                  | 26                   | 22                                                       | 2829                                                      | 366                                                               | 25                                                       | 3020                                                      | 2972                                                      | 1041                                                        | 1043                                                        | 20                                                        | 12                                                      |
| 543                   | 254                  | 40                   | 4                                                        | 332                                                       |                                                                   |                                                          |                                                           |                                                           |                                                             |                                                             |                                                           |                                                         |
| 544                   | 255                  | 9                    |                                                          |                                                           |                                                                   |                                                          |                                                           |                                                           |                                                             |                                                             |                                                           |                                                         |

HM-53C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>ISTAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 308                   | 141                  | 3                    | 2923                                                     | 4                                                           | 1424                                                       | 18                                                       |
| 309                   | 141                  | 24                   | 3030                                                     | 859                                                         | 1420                                                       | 14                                                       |
| 310                   | 141                  | 46                   | 2949                                                     | 1473                                                        | 1416                                                       | 10                                                       |
| 311                   | 142                  | 7                    | 2944                                                     | 1485                                                        | 1414                                                       | 11                                                       |
| 312                   | 142                  | 28                   | 3030                                                     | 1493                                                        | 1420                                                       | 11                                                       |
| 313                   | 142                  | 50                   | 2838                                                     | 1475                                                        | 1422                                                       | 13                                                       |
| 314                   | *                    | 9                    | 2833                                                     | 1475                                                        | 1420                                                       | 13                                                       |
| 315                   | 143                  | 29                   | 2939                                                     | 1475                                                        | 1414                                                       | 9                                                        |
| 316                   | 143                  | 54                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 317                   | 144                  | 16                   | 2999                                                     | 1467                                                        | 1416                                                       | 8                                                        |
| 318                   | 144                  | 37                   | 2979                                                     | 1493                                                        | 1408                                                       | 8                                                        |
| 319                   | 144                  | 58                   | 2893                                                     | 1465                                                        | 1406                                                       | 9                                                        |
| 320                   | 145                  | 19                   | 2944                                                     | 1479                                                        | 1404                                                       | 7                                                        |
| 321                   | 145                  | 41                   | 2893                                                     | 1473                                                        | 1408                                                       | 10                                                       |
| 322                   | 146                  | 2                    | 3030                                                     | 1493                                                        | 1416                                                       | 12                                                       |
| 323                   | 146                  | 23                   | 2934                                                     | 1475                                                        | 1406                                                       | 9                                                        |
| 325                   | 147                  | 5                    | 2929                                                     | 1467                                                        | 1404                                                       | 6                                                        |
| 326                   | 147                  | 27                   | 2923                                                     | 1469                                                        | 1410                                                       | 11                                                       |
| 327                   | *                    | *                    | 2878                                                     | 1463                                                        | 1416                                                       | 7                                                        |
| 328                   | 148                  | 10                   | *                                                        | 1479                                                        | 1402                                                       | 12                                                       |
| 329                   | 148                  | 31                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 330                   | 148                  | 52                   | 2843                                                     | 1469                                                        | 1400                                                       | 9                                                        |
| 331                   | 149                  | 14                   | 2929                                                     | 1469                                                        | 1416                                                       | 6                                                        |
| 332                   | 149                  | 35                   | 2888                                                     | 1475                                                        | 1406                                                       | 9                                                        |
| 333                   | 149                  | 56                   | 2929                                                     | 1467                                                        | 1420                                                       | 3                                                        |
| 334                   | 150                  | 18                   | 2939                                                     | 1469                                                        | 1412                                                       | 4                                                        |
| 335                   | 150                  | 39                   | 2959                                                     | 1489                                                        | 1416                                                       | 4                                                        |
| 336                   | 151                  | 0                    | 2863                                                     | 1467                                                        | 1420                                                       | 0                                                        |
| 337                   | 151                  | 22                   | 2964                                                     | 1469                                                        | 1414                                                       | 0                                                        |
| 338                   | 151                  | 43                   | 2878                                                     | 1475                                                        | 1416                                                       | 6                                                        |
| 339                   | 152                  | 4                    | 2989                                                     | 1475                                                        | 1420                                                       | 2                                                        |
| 340                   | 152                  | 26                   | 2883                                                     | 1481                                                        | 1406                                                       | 0                                                        |
| 341                   | 152                  | 47                   | 2979                                                     | 1467                                                        | 1404                                                       | 3                                                        |
| 342                   | 153                  | 8                    | 2843                                                     | 1493                                                        | 1414                                                       | 0                                                        |
| 343                   | 153                  | 30                   | 2979                                                     | 1473                                                        | 1420                                                       | 0                                                        |
| 344                   | *                    | *                    | 2918                                                     | 1481                                                        | 1424                                                       | 0                                                        |
| 345                   | 154                  | 12                   | 2999                                                     | 1467                                                        | 1416                                                       | 0                                                        |
| 346                   | 154                  | 34                   | *                                                        | *                                                           | *                                                          | 0                                                        |
| 347                   | 154                  | 55                   | *                                                        | *                                                           | *                                                          | 0                                                        |
| 348                   | 155                  | 16                   | 3030                                                     | 1477                                                        | 1414                                                       | 2                                                        |
| 349                   | 155                  | 38                   | 2974                                                     | 1473                                                        | 1420                                                       | 2                                                        |
| 350                   | 155                  | 59                   | 2949                                                     | 1467                                                        | 1406                                                       | *                                                        |
| 351                   | 156                  | 20                   | 2893                                                     | 1465                                                        | 1414                                                       | 4                                                        |
| 352                   | 156                  | 42                   | 2853                                                     | 1473                                                        | 1414                                                       | 0                                                        |
| 353                   | 157                  | 3                    | 2949                                                     | 1473                                                        | 1414                                                       | 0                                                        |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 354                   | 157                  | 24                   | 2954                                                     | 1475                                                        | 1414                                                       | 0                                                        |
| 355                   | 157                  | 46                   | 2913                                                     | 1471                                                        | 1416                                                       | 6                                                        |
| 356                   | 158                  | 7                    | 2913                                                     | 1473                                                        | 1418                                                       | 3                                                        |
| 357                   | 161                  | 16                   | 2843                                                     | 1459                                                        | 1404                                                       | 1                                                        |
| 358                   | 164                  | 59                   | 2918                                                     | 1452                                                        | 1400                                                       | 2                                                        |
| 359                   | 166                  | 38                   | 2979                                                     | 1469                                                        | 1416                                                       | *                                                        |
| 359                   | 166                  | 38                   | 2979                                                     | 1469                                                        | 1416                                                       | *                                                        |
| 360                   | 168                  | 15                   | 2939                                                     | 1469                                                        | 1402                                                       | 0                                                        |
| 361                   | 171                  | 40                   | 2913                                                     | 1473                                                        | 1400                                                       | 0                                                        |
| 362                   | 172                  | 1                    | 2863                                                     | 1477                                                        | 1400                                                       | 3                                                        |
| 363                   | 172                  | 23                   | 2923                                                     | 1473                                                        | 1400                                                       | 3                                                        |
| 364                   | 172                  | 44                   | 2979                                                     | 1463                                                        | 1388                                                       | 0                                                        |
| 365                   | 173                  | 5                    | 2913                                                     | 1459                                                        | 1400                                                       | 0                                                        |
| 365                   | 173                  | 5                    | 2913                                                     | 1459                                                        | 1400                                                       | 0                                                        |
| 366                   | 173                  | 26                   | 2843                                                     | 1473                                                        | 1408                                                       | 0                                                        |
| 367                   | 173                  | 47                   | 2929                                                     | 1469                                                        | 1402                                                       | *                                                        |
| 368                   | 174                  | 6                    | 2929                                                     | 1465                                                        | 1400                                                       | 0                                                        |
| 369                   | 174                  | 29                   | 2949                                                     | 1461                                                        | 1398                                                       | 1                                                        |
| 370                   | 174                  | 50                   | 2929                                                     | 1481                                                        | 1398                                                       | 6                                                        |
| 371                   | *                    | *                    | 2954                                                     | 1471                                                        | 1400                                                       | 1                                                        |
| 372                   | *                    | *                    | 2959                                                     | 1459                                                        | 1406                                                       | 0                                                        |
| 373                   | 175                  | 50                   | 2878                                                     | 1465                                                        | 1406                                                       | 7                                                        |
| 374                   | 176                  | 15                   | *                                                        | 1469                                                        | 1400                                                       | 6                                                        |
| 375                   | 176                  | 36                   | *                                                        | 1469                                                        | 1400                                                       | *                                                        |
| 376                   | 176                  | 57                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 377                   | 177                  | 18                   | 2929                                                     | 1471                                                        | 600                                                        | *                                                        |
| 378                   | 177                  | 39                   | 2939                                                     | 1465                                                        | 1410                                                       | 3                                                        |
| 379                   | 178                  | 0                    | 2843                                                     | 1454                                                        | 1418                                                       | 0                                                        |
| 380                   | 178                  | 21                   | 2934                                                     | 1459                                                        | 1404                                                       | 3                                                        |
| 381                   | 178                  | 42                   | 2883                                                     | 1459                                                        | 1408                                                       | 2                                                        |
| 382                   | 179                  | 3                    | 2918                                                     | 1459                                                        | 1400                                                       | 2                                                        |
| 383                   | 179                  | 24                   | 2883                                                     | 1463                                                        | 1402                                                       | 3                                                        |
| 384                   | 179                  | 46                   | 2893                                                     | 1465                                                        | 1404                                                       | 6                                                        |
| 385                   | 180                  | 7                    | 2929                                                     | 1483                                                        | 1404                                                       | 9                                                        |
| 386                   | 180                  | 29                   | 2949                                                     | 1473                                                        | 1404                                                       | 3                                                        |
| 387                   | 180                  | 50                   | 2999                                                     | 605                                                         | 1420                                                       | *                                                        |
| 388                   | 181                  | 11                   | *                                                        | 605                                                         | *                                                          | *                                                        |
| 389                   | 181                  | 33                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 390                   | 181                  | 54                   | *                                                        | *                                                           | 1440                                                       | 0                                                        |
| 391                   | 182                  | 16                   | 2904                                                     | 1479                                                        | 1410                                                       | 3                                                        |
| 392                   | *                    | *                    | 2893                                                     | 1454                                                        | 1414                                                       | 12                                                       |
| 393                   | *                    | *                    | 2954                                                     | 1479                                                        | 1412                                                       | 6                                                        |
| 394                   | 183                  | 20                   | 3030                                                     | 1479                                                        | 1418                                                       | 6                                                        |
| 395                   | 183                  | 42                   | 2999                                                     | 1459                                                        | 1406                                                       | 10                                                       |
| 396                   | 184                  | 3                    | 2959                                                     | 1473                                                        | 1420                                                       | 6                                                        |
| 397                   | 184                  | 25                   | 2989                                                     | 1463                                                        | 1416                                                       | 12                                                       |
| 398                   | 190                  | 33                   | 3030                                                     | 1473                                                        | 1412                                                       | 9                                                        |
| 399                   | 190                  | 55                   | 2999                                                     | 1442                                                        | 1380                                                       | 9                                                        |
| 400                   | 191                  | 16                   | 2998                                                     | 1456                                                        | 1400                                                       | 9                                                        |
| 401                   | 191                  | 38                   | 2978                                                     | 1461                                                        | 1392                                                       | 5                                                        |
| 402                   | 191                  | 59                   | 2918                                                     | 1450                                                        | 1400                                                       | 8                                                        |
| 403                   | 192                  | 20                   | 2964                                                     | 1456                                                        | 1416                                                       | 7                                                        |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO-1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 404                   | 192                  | 42                   | 2303                                                     | 1473                                                        | 1406                                                       | 6                                                        |
| 405                   | 193                  | 3                    | 2848                                                     | 1469                                                        | 1416                                                       | 4                                                        |
| 406                   | 193                  | 25                   | 2829                                                     | 1469                                                        | 1392                                                       | 6                                                        |
| 407                   | 193                  | 46                   | 3019                                                     | 1454                                                        | 1400                                                       | 6                                                        |
| 408                   | 194                  | 8                    | 3030                                                     | 1456                                                        | 1404                                                       | 4                                                        |
| 409                   | 194                  | 29                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 410                   | 194                  | 51                   | *                                                        | 1469                                                        | 1406                                                       | 4                                                        |
| 411                   | *                    | *                    | 2069                                                     | 1461                                                        | 1398                                                       | 0                                                        |
| 412                   | *                    | *                    | 2534                                                     | 1456                                                        | 1404                                                       | 6                                                        |
| 413                   | 195                  | 55                   | 2829                                                     | 1467                                                        | 1404                                                       | 4                                                        |
| 414                   | 196                  | 17                   | 2878                                                     | 1465                                                        | 1396                                                       | 2                                                        |
| 415                   | 196                  | 38                   | 2883                                                     | 1459                                                        | 1402                                                       | 2                                                        |
| 416                   | 203                  | 40                   | 2949                                                     | 1473                                                        | 1408                                                       | 1                                                        |
| 417                   | 204                  | 1                    | 2834                                                     | 1459                                                        | 1404                                                       | 0                                                        |
| 418                   | 204                  | 22                   | 2944                                                     | 1469                                                        | 1398                                                       | 6                                                        |
| 419                   | 209                  | 22                   | 2929                                                     | 1473                                                        | 1408                                                       | 5                                                        |
| 420                   | 209                  | 43                   | 2913                                                     | 1463                                                        | 1404                                                       | 0                                                        |
| 421                   | 210                  | 4                    | 2949                                                     | 1454                                                        | 1408                                                       | 6                                                        |
| 422                   | 210                  | 25                   | 2994                                                     | 1477                                                        | 1412                                                       | 3                                                        |
| 423                   | 218                  | 46                   | 2833                                                     | 1465                                                        | 1406                                                       | 8                                                        |
| 424                   | 211                  | 7                    | 2994                                                     | 1481                                                        | 1410                                                       | 3                                                        |
| 425                   | 212                  | 23                   | 2929                                                     | 1459                                                        | 1400                                                       | 3                                                        |
| 426                   | 212                  | 44                   | 2923                                                     | 1473                                                        | 1400                                                       | 3                                                        |
| 427                   | 213                  | 5                    | *                                                        | *                                                           | *                                                          | *                                                        |
| 428                   | *                    | *                    | 2903                                                     | 1461                                                        | 1420                                                       | 7                                                        |
| 429                   | 213                  | 48                   | 2954                                                     | 1471                                                        | 1406                                                       | 3                                                        |
| 430                   | 214                  | 10                   | 2939                                                     | 1471                                                        | 1424                                                       | 0                                                        |
| 431                   | 214                  | 31                   | 2883                                                     | 1456                                                        | 1382                                                       | 1                                                        |
| 432                   | 214                  | 53                   | 2908                                                     | 1461                                                        | 1400                                                       | 6                                                        |
| 433                   | 215                  | 14                   | 2918                                                     | 1448                                                        | 1394                                                       | 0                                                        |
| 434                   | 215                  | 35                   | 2974                                                     | 1463                                                        | 1400                                                       | 6                                                        |
| 435                   | 215                  | 57                   | 2898                                                     | 1454                                                        | 1402                                                       | 9                                                        |
| 436                   | 216                  | 19                   | 2929                                                     | 1473                                                        | 1420                                                       | 6                                                        |
| 437                   | 215                  | 48                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 438                   | *                    | *                    | 2954                                                     | 1469                                                        | 1424                                                       | 3                                                        |
| 439                   | 217                  | 23                   | 3019                                                     | 1475                                                        | 1406                                                       | 8                                                        |
| 440                   | 217                  | 45                   | 2908                                                     | 1454                                                        | 1408                                                       | 4                                                        |
| 441                   | 218                  | 6                    | 2979                                                     | 1459                                                        | 1386                                                       | 0                                                        |
| 442                   | 218                  | 27                   | 2954                                                     | 1465                                                        | 1422                                                       | 10                                                       |
| 443                   | 218                  | 49                   | 2999                                                     | 1475                                                        | 1412                                                       | 5                                                        |
| 444                   | 219                  | 10                   | 2888                                                     | 1456                                                        | 1402                                                       | 5                                                        |
| 445                   | 219                  | 31                   | 2949                                                     | 1448                                                        | 1392                                                       | 1                                                        |
| 446                   | 219                  | 53                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 447                   | *                    | *                    | 2964                                                     | 1467                                                        | 1412                                                       | 5                                                        |
| 448                   | 220                  | 36                   | 2883                                                     | 1493                                                        | 1416                                                       | 8                                                        |
| 449                   | 220                  | 58                   | 2858                                                     | 1465                                                        | 1404                                                       | 3                                                        |
| 450                   | 221                  | 19                   | 2903                                                     | 1473                                                        | 1412                                                       | 4                                                        |
| 451                   | 221                  | 41                   | 2934                                                     | 1471                                                        | 1404                                                       | 3                                                        |
| 452                   | 222                  | 1                    | 2874                                                     | 1454                                                        | 1394                                                       | 0                                                        |
| 453                   | 222                  | 24                   | 2959                                                     | 1456                                                        | 1400                                                       | 0                                                        |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 454                   | 222                  | 45                   | *                                                        | *                                                           | *                                                          | 1                                                        |
| 455                   | 223                  | *                    | 2959                                                     | 1469                                                        | 1406                                                       | 3                                                        |
| 456                   | 223                  | 28                   | 2994                                                     | 1479                                                        | 1426                                                       | 7                                                        |
| 457                   | 223                  | 49                   | 2923                                                     | 1459                                                        | 1416                                                       | 6                                                        |
| 458                   | 224                  | 11                   | 2934                                                     | 1471                                                        | 1412                                                       | 7                                                        |
| 459                   | 224                  | 33                   | 2979                                                     | 1459                                                        | 1412                                                       | 6                                                        |
| 460                   | 224                  | 54                   | 2983                                                     | 1456                                                        | 1406                                                       | 5                                                        |
| 461                   | 225                  | 16                   | 2934                                                     | 1477                                                        | 1416                                                       | 8                                                        |
| 462                   | 225                  | 38                   | 2974                                                     | 1479                                                        | 1420                                                       | 8                                                        |
| 463                   | 225                  | 59                   | 3009                                                     | 1473                                                        | 1406                                                       | 6                                                        |
| 464                   | 226                  | 21                   | 2993                                                     | 1477                                                        | 1406                                                       | 5                                                        |
| 465                   | 226                  | 42                   | 2998                                                     | 1479                                                        | 1404                                                       | 3                                                        |
| 466                   | 227                  | 4                    | 2923                                                     | 1473                                                        | 1420                                                       | 5                                                        |
| 467                   | *                    | *                    | 2933                                                     | 1452                                                        | 1404                                                       | 1                                                        |
| 468                   | 227                  | 48                   | 2979                                                     | 1483                                                        | 1394                                                       | 6                                                        |
| 469                   | 228                  | 10                   | 2913                                                     | 1452                                                        | 1406                                                       | 6                                                        |
| 470                   | 228                  | 31                   | 2974                                                     | 1477                                                        | 1400                                                       | 3                                                        |
| 471                   | 228                  | 53                   | 2846                                                     | 1459                                                        | 1410                                                       | 5                                                        |
| 472                   | 229                  | 15                   | 2929                                                     | 1471                                                        | 1406                                                       | 7                                                        |
| 473                   | 229                  | 37                   | 2929                                                     | 1469                                                        | 1416                                                       | 6                                                        |
| 474                   | 229                  | 58                   | 2868                                                     | 1467                                                        | 1420                                                       | 5                                                        |
| 475                   | 230                  | 20                   | 2923                                                     | 1483                                                        | 1400                                                       | 4                                                        |
| 476                   | 230                  | 42                   | 2913                                                     | 1477                                                        | 1402                                                       | 5                                                        |
| 477                   | 231                  | 3                    | *                                                        | *                                                           | *                                                          | *                                                        |
| 478                   | *                    | *                    | 2913                                                     | 1454                                                        | 1390                                                       | 0                                                        |
| 479                   | 231                  | 46                   | 2853                                                     | 1461                                                        | 1392                                                       | 0                                                        |
| 480                   | 232                  | 7                    | 2969                                                     | 1463                                                        | 1404                                                       | 0                                                        |
| 481                   | 232                  | 28                   | 2959                                                     | 1456                                                        | 1410                                                       | 3                                                        |
| 482                   | 232                  | 50                   | 2973                                                     | 1475                                                        | 1416                                                       | 3                                                        |
| 483                   | 233                  | 12                   | *                                                        | *                                                           | 1386                                                       | 0                                                        |
| 484                   | 233                  | 33                   | 2863                                                     | 1479                                                        | 1408                                                       | 8                                                        |
| 485                   | 233                  | 55                   | 2913                                                     | 1481                                                        | 1410                                                       | 9                                                        |
| 486                   | 234                  | 16                   | 2929                                                     | 1465                                                        | 1406                                                       | 3                                                        |
| 487                   | 234                  | 38                   | 3030                                                     | 1477                                                        | 1432                                                       | 9                                                        |
| 488                   | 235                  | 0                    | 3030                                                     | 1477                                                        | 1416                                                       | 7                                                        |
| 489                   | 235                  | 21                   | 3030                                                     | 1477                                                        | 1422                                                       | 5                                                        |
| 490                   | 235                  | 43                   | 2933                                                     | 1446                                                        | 1396                                                       | 3                                                        |
| 491                   | 236                  | 4                    | 2934                                                     | 1461                                                        | 1412                                                       | 4                                                        |
| 492                   | 236                  | 26                   | 2984                                                     | 1485                                                        | 1420                                                       | 9                                                        |
| 493                   | 236                  | 47                   | 2893                                                     | 1469                                                        | 1410                                                       | 9                                                        |
| 494                   | 237                  | 3                    | 2913                                                     | 1459                                                        | 1406                                                       | 8                                                        |
| 495                   | 237                  | 31                   | 2979                                                     | 1463                                                        | 1410                                                       | 7                                                        |
| 496                   | 237                  | 52                   | 2954                                                     | 1465                                                        | 1420                                                       | 9                                                        |
| 497                   | 238                  | 14                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 498                   | 238                  | 36                   | 2949                                                     | 1473                                                        | 1422                                                       | 4                                                        |
| 499                   | 238                  | 57                   | 2979                                                     | 1477                                                        | 1428                                                       | 6                                                        |
| 500                   | 239                  | 13                   | 2939                                                     | 1463                                                        | 1390                                                       | 6                                                        |
| 501                   | 239                  | 41                   | 2989                                                     | 1467                                                        | 1412                                                       | 7                                                        |
| 502                   | *                    | 1                    | 2934                                                     | 1465                                                        | 1416                                                       | 9                                                        |
| 503                   | 240                  | 24                   | 2974                                                     | 1463                                                        | 1406                                                       | 9                                                        |



| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO. 1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
| 506                   | 243                  | 46                   | 2964                                                     | 1465                                                        | 1422                                                       | 3                                                         |
| 505                   | 241                  | 8                    | 2929                                                     | 1481                                                        | 1416                                                       | 3                                                         |
| 506                   | "                    | 27                   | 2913                                                     | 1489                                                        | 1420                                                       | 6                                                         |
| 507                   | 241                  | 51                   | 2878                                                     | 1473                                                        | 1420                                                       | 6                                                         |
| 508                   | 242                  | 13                   | 2969                                                     | 1473                                                        | 1402                                                       | 3                                                         |
| 509                   | 242                  | 34                   | 2883                                                     | 1467                                                        | 1410                                                       | 5                                                         |
| 510                   | "                    | "                    | 2979                                                     | 1461                                                        | 1420                                                       | 7                                                         |
| 511                   | 243                  | 16                   | 2878                                                     | 1463                                                        | 1400                                                       | 2                                                         |
| 512                   | 243                  | 39                   | 2949                                                     | 1463                                                        | 1412                                                       | 0                                                         |
| 513                   | 244                  | 1                    | 2849                                                     | 1452                                                        | 1408                                                       | 6                                                         |
| 514                   | "                    | "                    | 2949                                                     | 1477                                                        | 1482                                                       | 9                                                         |
| 515                   | 244                  | 44                   | 2979                                                     | 1452                                                        | 1404                                                       | 0                                                         |
| 516                   | 245                  | 5                    | 2944                                                     | 1442                                                        | 1406                                                       | 7                                                         |
| 517                   | 245                  | 27                   | 2949                                                     | 1438                                                        | 1396                                                       | 3                                                         |
| 518                   | "                    | "                    | 2878                                                     | 1461                                                        | 1408                                                       | 9                                                         |
| 519                   | 246                  | 18                   | 2883                                                     | 1469                                                        | 1404                                                       | 4                                                         |
| 520                   | 246                  | 31                   | 2878                                                     | 1461                                                        | 1482                                                       | 0                                                         |
| 521                   | 246                  | 53                   | 2954                                                     | 1459                                                        | 1368                                                       | "                                                         |
| 522                   | 247                  | 14                   | 2979                                                     | 1465                                                        | 1394                                                       | "                                                         |
| 523                   | 247                  | 36                   | 2934                                                     | 1473                                                        | 1408                                                       | 11                                                        |
| 524                   | 247                  | 57                   | 2898                                                     | 1459                                                        | 1396                                                       | 7                                                         |
| 525                   | 248                  | 19                   | "                                                        | "                                                           | "                                                          | 3                                                         |
| 526                   | 248                  | 41                   | 3036                                                     | 1473                                                        | 1408                                                       | 0                                                         |
| 527                   | 249                  | 2                    | 2888                                                     | 1446                                                        | 1400                                                       | 4                                                         |
| 528                   | 249                  | 24                   | 2878                                                     | 1452                                                        | 1400                                                       | 6                                                         |
| 529                   | "                    | "                    | 2864                                                     | 1461                                                        | 1406                                                       | 2                                                         |
| 530                   | 250                  | 7                    | 2949                                                     | 1473                                                        | 1406                                                       | 0                                                         |
| 531                   | 250                  | 28                   | 2929                                                     | 1469                                                        | 1416                                                       | 10                                                        |
| 532                   | 250                  | 50                   | "                                                        | "                                                           | "                                                          | "                                                         |
| 533                   | 251                  | 11                   | 2929                                                     | 1459                                                        | 1400                                                       | 6                                                         |
| 534                   | 251                  | 33                   | 2914                                                     | 1459                                                        | 1404                                                       | 6                                                         |
| 535                   | 251                  | 54                   | 2898                                                     | 1473                                                        | 1400                                                       | 6                                                         |
| 536                   | "                    | "                    | 2893                                                     | 1461                                                        | 1408                                                       | 13                                                        |
| 537                   | 252                  | 38                   | 2929                                                     | 1452                                                        | 1404                                                       | 9                                                         |
| 538                   | 252                  | 59                   | 2994                                                     | 1475                                                        | 1410                                                       | 10                                                        |
| 539                   | 253                  | 21                   | 2939                                                     | 1456                                                        | 1414                                                       | 7                                                         |
| 540                   | 254                  | 4                    | 2894                                                     | 1493                                                        | 1414                                                       | 8                                                         |
| 541                   | 254                  | 26                   | 2960                                                     | 1436                                                        | 1380                                                       | 18                                                        |
| 542                   | 254                  | 48                   | 3019                                                     | 1485                                                        | 1440                                                       | 9                                                         |
| 543                   | 254                  | 9                    | 2979                                                     | 316                                                         | 1446                                                       | 12                                                        |
| 544                   | 255                  |                      |                                                          |                                                             |                                                            |                                                           |

HH-53C S/N 60-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(COPIT<br>L-S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(COPIT<br>R-S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>SYA460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>SYA460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 304                   | 141                  | 5                    | 35                                    | 39                                                         | 39                                                 | 39                                                 | 35                                                          | 30                                                          | 30                                                           | 36                                                           | 39                                                      | 30                                                       |
| 309                   | 141                  | 27                   | 35                                    | 39                                                         | 38                                                 | 38                                                 | 35                                                          | 37                                                          | 37                                                           | 36                                                           | 38                                                      | 38                                                       |
| 310                   | 141                  | 48                   | 35                                    | 39                                                         | 39                                                 | 39                                                 | 35                                                          | 36                                                          | 36                                                           | 35                                                           | 36                                                      | 36                                                       |
| 311                   | 142                  | 10                   | 35                                    | 39                                                         | 39                                                 | 39                                                 | 34                                                          | 34                                                          | 39                                                           | 35                                                           | 36                                                      | 36                                                       |
| 312                   | 142                  | 31                   | 35                                    | 39                                                         | 39                                                 | 39                                                 | 34                                                          | *                                                           | *                                                            | 33                                                           | 34                                                      | 35                                                       |
| 313                   | 142                  | 52                   | 35                                    | 39                                                         | 39                                                 | 39                                                 | 34                                                          | 34                                                          | 30                                                           | 35                                                           | 35                                                      | 36                                                       |
| 314                   | 143                  | 14                   | 35                                    | 39                                                         | 39                                                 | 39                                                 | 35                                                          | 35                                                          | 36                                                           | 35                                                           | 35                                                      | 35                                                       |
| 315                   | 143                  | 35                   | 35                                    | 39                                                         | 39                                                 | 39                                                 | 34                                                          | 35                                                          | 36                                                           | 35                                                           | 35                                                      | 36                                                       |
| 316                   | 143                  | 57                   | 34                                    | 39                                                         | 39                                                 | 39                                                 | 35                                                          | 35                                                          | 36                                                           | 35                                                           | 35                                                      | 36                                                       |
| 317                   | 143                  | 16                   | 34                                    | 39                                                         | 39                                                 | 39                                                 | 35                                                          | 34                                                          | 36                                                           | 36                                                           | 36                                                      | 36                                                       |
| 318                   | 144                  | 39                   | 34                                    | 39                                                         | 39                                                 | 39                                                 | 35                                                          | 34                                                          | 36                                                           | 36                                                           | 36                                                      | 36                                                       |
| 319                   | 145                  | 1                    | 35                                    | 40                                                         | 40                                                 | 40                                                 | 36                                                          | 37                                                          | 36                                                           | 36                                                           | 36                                                      | 36                                                       |
| 320                   | 145                  | 22                   | 35                                    | 39                                                         | 40                                                 | 40                                                 | 36                                                          | 37                                                          | 36                                                           | 36                                                           | 36                                                      | 36                                                       |
| 321                   | 145                  | 43                   | 35                                    | 39                                                         | 40                                                 | 40                                                 | 36                                                          | 36                                                          | 36                                                           | 35                                                           | 36                                                      | 35                                                       |
| 322                   | 146                  | 5                    | 35                                    | 40                                                         | 40                                                 | 40                                                 | 36                                                          | 37                                                          | 36                                                           | 36                                                           | 36                                                      | 36                                                       |
| 323                   | 146                  | 26                   | 35                                    | 40                                                         | 40                                                 | 41                                                 | 37                                                          | 37                                                          | 36                                                           | 36                                                           | 36                                                      | 36                                                       |
| 325                   | 147                  | 8                    | 35                                    | 40                                                         | 39                                                 | 39                                                 | 36                                                          | 37                                                          | 37                                                           | 36                                                           | 35                                                      | 37                                                       |
| 326                   | 147                  | 30                   | 34                                    | 39                                                         | 39                                                 | 48                                                 | 36                                                          | 37                                                          | 37                                                           | 37                                                           | 37                                                      | 37                                                       |
| 327                   | 147                  | 51                   | 35                                    | 39                                                         | 40                                                 | 40                                                 | 37                                                          | 38                                                          | 38                                                           | 37                                                           | 37                                                      | 38                                                       |
| 328                   | 148                  | 12                   | 35                                    | 39                                                         | 39                                                 | 39                                                 | 38                                                          | 36                                                          | 37                                                           | 36                                                           | 36                                                      | 37                                                       |
| 329                   | 148                  | 34                   | 33                                    | 39                                                         | 39                                                 | 38                                                 | 38                                                          | 36                                                          | 38                                                           | 36                                                           | 36                                                      | 38                                                       |
| 330                   | 148                  | 55                   | 33                                    | 38                                                         | 30                                                 | 30                                                 | 37                                                          | 38                                                          | 37                                                           | 36                                                           | 37                                                      | 38                                                       |
| 331                   | 149                  | *                    | 32                                    | 35                                                         | *                                                  | *                                                  | *                                                           | *                                                           | 37                                                           | 36                                                           | 37                                                      | *                                                        |
| 332                   | 149                  | 38                   | 32                                    | 35                                                         | 36                                                 | 36                                                 | 36                                                          | 38                                                          | 0                                                            | *                                                            | *                                                       | *                                                        |
| 333                   | 149                  | 59                   | 32                                    | 35                                                         | 35                                                 | 35                                                 | 36                                                          | 37                                                          | 36                                                           | 35                                                           | 37                                                      | 38                                                       |
| 334                   | 150                  | 20                   | 32                                    | 34                                                         | 35                                                 | 34                                                 | 36                                                          | 37                                                          | 36                                                           | 35                                                           | 37                                                      | 39                                                       |
| 335                   | 150                  | 41                   | 32                                    | 34                                                         | 35                                                 | 35                                                 | 36                                                          | 37                                                          | 35                                                           | 35                                                           | 37                                                      | 39                                                       |
| 336                   | 151                  | 3                    | 31                                    | 34                                                         | 34                                                 | 34                                                 | 35                                                          | 37                                                          | 35                                                           | 34                                                           | 37                                                      | 38                                                       |
| 337                   | 151                  | 24                   | 30                                    | 33                                                         | 33                                                 | 38                                                 | 35                                                          | 36                                                          | 34                                                           | 34                                                           | 36                                                      | 38                                                       |
| 338                   | 151                  | 46                   | 29                                    | 32                                                         | 32                                                 | 32                                                 | 35                                                          | 36                                                          | 34                                                           | 34                                                           | 36                                                      | 38                                                       |
| 339                   | 152                  | 7                    | 28                                    | 31                                                         | 31                                                 | 31                                                 | 35                                                          | 37                                                          | 34                                                           | 32                                                           | 35                                                      | 37                                                       |
| 340                   | 152                  | 28                   | 27                                    | 30                                                         | 31                                                 | 29                                                 | 34                                                          | 35                                                          | 32                                                           | 32                                                           | 35                                                      | 37                                                       |
| 341                   | 152                  | 50                   | 26                                    | 29                                                         | 29                                                 | 29                                                 | 34                                                          | 34                                                          | 31                                                           | 31                                                           | 35                                                      | 36                                                       |
| 342                   | 153                  | 11                   | 25                                    | 29                                                         | 29                                                 | 29                                                 | 34                                                          | 34                                                          | 31                                                           | 30                                                           | 35                                                      | 36                                                       |
| 343                   | 153                  | 32                   | 24                                    | 28                                                         | 28                                                 | 28                                                 | 34                                                          | 34                                                          | 29                                                           | 29                                                           | 34                                                      | 36                                                       |
| 344                   | 153                  | 54                   | 23                                    | 27                                                         | 27                                                 | 27                                                 | 33                                                          | 33                                                          | 29                                                           | 29                                                           | 34                                                      | 35                                                       |
| 345                   | 154                  | 15                   | 22                                    | 26                                                         | 27                                                 | 27                                                 | 33                                                          | 32                                                          | 28                                                           | 28                                                           | 34                                                      | 36                                                       |
| 346                   | 154                  | 36                   | 22                                    | 25                                                         | 26                                                 | 26                                                 | 32                                                          | 32                                                          | 28                                                           | 27                                                           | 34                                                      | 35                                                       |
| 347                   | 154                  | 58                   | 21                                    | 24                                                         | 25                                                 | 25                                                 | 32                                                          | 32                                                          | 27                                                           | 27                                                           | 34                                                      | 35                                                       |
| 348                   | 155                  | 19                   | 21                                    | 24                                                         | 24                                                 | 24                                                 | 31                                                          | 31                                                          | 27                                                           | 27                                                           | 33                                                      | 35                                                       |
| 349                   | 155                  | *                    | 20                                    | 23                                                         | 24                                                 | 24                                                 | 31                                                          | 31                                                          | 27                                                           | 26                                                           | 33                                                      | 34                                                       |
| 350                   | 156                  | *                    | 19                                    | 22                                                         | 22                                                 | 22                                                 | *                                                           | *                                                           | *                                                            | *                                                            | *                                                       | *                                                        |
| 351                   | 156                  | 23                   | 19                                    | 22                                                         | 22                                                 | 22                                                 | 30                                                          | 0                                                           | *                                                            | *                                                            | *                                                       | *                                                        |
| 352                   | 156                  | 44                   | 20                                    | 22                                                         | 22                                                 | 22                                                 | 30                                                          | 0                                                           | *                                                            | *                                                            | *                                                       | *                                                        |
| 353                   | 157                  | 6                    | 19                                    | 21                                                         | 22                                                 | 22                                                 | 29                                                          | 30                                                          | 25                                                           | 25                                                           | 32                                                      | 34                                                       |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN.<br>DEG.C | 1-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CRPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CRPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 354                   | 157                  | 27                   | 19                                     | 21                                                         | 22                                                         | 22                                                         | 29                                                          | 31                                                          | 25                                                           | 25                                                           | 32                                                      | 34                                                       |
| 355                   | 157                  | 46                   | 19                                     | 21                                                         | 22                                                         | 22                                                         | 29                                                          | 30                                                          | 25                                                           | 25                                                           | 31                                                      | 34                                                       |
| 356                   | 158                  | 9                    | 19                                     | 21                                                         | 21                                                         | 21                                                         | 29                                                          | 30                                                          | 25                                                           | 25                                                           | 30                                                      | 34                                                       |
| 357                   | 161                  | 19                   | 18                                     | 19                                                         | 19                                                         | 19                                                         | 27                                                          | 28                                                          | 23                                                           | 23                                                           | 28                                                      | 31                                                       |
| 358                   | 165                  | 1                    | 17                                     | 18                                                         | 18                                                         | 18                                                         | 27                                                          | 25                                                          | 22                                                           | 22                                                           | 25                                                      | 29                                                       |
| 359                   | 166                  | 41                   | 15                                     | 16                                                         | 17                                                         | 17                                                         | 26                                                          | 24                                                          | 23                                                           | 22                                                           | 25                                                      | 27                                                       |
| 360                   | 168                  | 18                   | 16                                     | 16                                                         | 16                                                         | 16                                                         | 25                                                          | 23                                                          | 23                                                           | 22                                                           | 24                                                      | 27                                                       |
| 361                   | 171                  | 43                   | 17                                     | 17                                                         | 17                                                         | 17                                                         | 24                                                          | 23                                                          | 22                                                           | 22                                                           | 23                                                      | 25                                                       |
| 362                   | 172                  | 4                    | 17                                     | 17                                                         | 17                                                         | 17                                                         | 24                                                          | 22                                                          | 22                                                           | 21                                                           | 22                                                      | 25                                                       |
| 363                   | 172                  | 25                   | 17                                     | 17                                                         | 17                                                         | 17                                                         | 24                                                          | 23                                                          | 22                                                           | 21                                                           | 23                                                      | 25                                                       |
| 364                   | 172                  | 46                   | 16                                     | 17                                                         | 16                                                         | 17                                                         | 24                                                          | 23                                                          | 22                                                           | 21                                                           | 22                                                      | 25                                                       |
| 365                   | 173                  | 7                    | 18                                     | 17                                                         | 18                                                         | 17                                                         | 24                                                          | 22                                                          | 22                                                           | 21                                                           | 22                                                      | 25                                                       |
| 366                   | 173                  | 29                   | 19                                     | 18                                                         | 18                                                         | 18                                                         | 24                                                          | 22                                                          | 22                                                           | 22                                                           | 23                                                      | 25                                                       |
| 367                   | 173                  | 58                   | 19                                     | 18                                                         | 18                                                         | 18                                                         | 24                                                          | 23                                                          | 23                                                           | 22                                                           | 23                                                      | 25                                                       |
| 368                   | 174                  | 11                   | 21                                     | 18                                                         | 19                                                         | 19                                                         | 24                                                          | 23                                                          | 24                                                           | 23                                                           | 23                                                      | 25                                                       |
| 369                   | 174                  | 32                   | 21                                     | 19                                                         | 20                                                         | 19                                                         | 24                                                          | 23                                                          | 24                                                           | 23                                                           | 23                                                      | 25                                                       |
| 370                   | 174                  | 53                   | 21                                     | 19                                                         | 20                                                         | 20                                                         | 25                                                          | 24                                                          | 25                                                           | 23                                                           | 24                                                      | 25                                                       |
| 371                   | 175                  | 14                   | 21                                     | 20                                                         | 20                                                         | 20                                                         | 25                                                          | 24                                                          | 25                                                           | 24                                                           | 24                                                      | 25                                                       |
| 372                   | 175                  | 35                   | 22                                     | 20                                                         | 21                                                         | 20                                                         | 25                                                          | 24                                                          | 25                                                           | 24                                                           | 24                                                      | 25                                                       |
| 373                   | 175                  | 56                   | 22                                     | 21                                                         | 21                                                         | 21                                                         | 25                                                          | 24                                                          | 25                                                           | 24                                                           | 24                                                      | 25                                                       |
| 374                   | 176                  | 17                   | 24                                     | 21                                                         | 22                                                         | 22                                                         | 25                                                          | 25                                                          | 26                                                           | 25                                                           | 24                                                      | 26                                                       |
| 375                   | 176                  | 38                   | 25                                     | 22                                                         | 22                                                         | 22                                                         | 26                                                          | 25                                                          | 26                                                           | 25                                                           | 24                                                      | 27                                                       |
| 376                   | 176                  | 59                   | 27                                     | 23                                                         | 24                                                         | 24                                                         | 26                                                          | 26                                                          | 27                                                           | 26                                                           | 25                                                      | 27                                                       |
| 377                   | 177                  | 20                   | 26                                     | 24                                                         | 24                                                         | 24                                                         | 26                                                          | 26                                                          | 27                                                           | 26                                                           | 25                                                      | 27                                                       |
| 378                   | 177                  | 41                   | 26                                     | 24                                                         | 25                                                         | 25                                                         | 27                                                          | 27                                                          | 29                                                           | 27                                                           | 26                                                      | 27                                                       |
| 379                   | 178                  | 2                    | 26                                     | 24                                                         | 25                                                         | 25                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 380                   | 178                  | 2                    | 26                                     | 25                                                         | 26                                                         | 26                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 381                   | 178                  | 2                    | 26                                     | 25                                                         | 26                                                         | 26                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 382                   | 178                  | 2                    | 26                                     | 25                                                         | 26                                                         | 26                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 383                   | 178                  | 2                    | 26                                     | 25                                                         | 26                                                         | 26                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 384                   | 178                  | 2                    | 26                                     | 25                                                         | 26                                                         | 26                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 385                   | 180                  | 10                   | 26                                     | 25                                                         | 26                                                         | 26                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 386                   | 180                  | 31                   | 26                                     | 25                                                         | 26                                                         | 26                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 387                   | 180                  | 53                   | 26                                     | 26                                                         | 27                                                         | 27                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 388                   | 181                  | 14                   | 27                                     | 26                                                         | 27                                                         | 27                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 389                   | 181                  | 35                   | 27                                     | 26                                                         | 27                                                         | 27                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 390                   | 181                  | 57                   | 27                                     | 26                                                         | 27                                                         | 27                                                         | 27                                                          | 27                                                          | 28                                                           | 27                                                           | 26                                                      | 28                                                       |
| 391                   | 182                  | 18                   | 28                                     | 25                                                         | 27                                                         | 26                                                         | 28                                                          | 28                                                          | 29                                                           | 28                                                           | 27                                                      | 29                                                       |
| 392                   | 182                  | 40                   | 27                                     | 25                                                         | 27                                                         | 27                                                         | 28                                                          | 28                                                          | 29                                                           | 28                                                           | 27                                                      | 29                                                       |
| 393                   | 183                  | 1                    | 27                                     | 26                                                         | 27                                                         | 27                                                         | 29                                                          | 29                                                          | 30                                                           | 29                                                           | 28                                                      | 29                                                       |
| 394                   | 183                  | 23                   | 27                                     | 26                                                         | 27                                                         | 27                                                         | 29                                                          | 29                                                          | 30                                                           | 29                                                           | 28                                                      | 29                                                       |
| 395                   | 183                  | 44                   | 28                                     | 26                                                         | 27                                                         | 27                                                         | 30                                                          | 30                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 396                   | 184                  | 6                    | 28                                     | 26                                                         | 27                                                         | 27                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 397                   | 184                  | 27                   | 28                                     | 26                                                         | 27                                                         | 27                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 398                   | 184                  | 56                   | 29                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 399                   | 184                  | 77                   | 29                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 400                   | 185                  | 1                    | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 401                   | 185                  | 10                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 402                   | 185                  | 20                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 403                   | 185                  | 30                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 404                   | 185                  | 40                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 405                   | 185                  | 50                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 406                   | 185                  | 60                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 407                   | 185                  | 70                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 408                   | 185                  | 80                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 409                   | 185                  | 90                   | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 410                   | 185                  | 100                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 411                   | 185                  | 110                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 412                   | 185                  | 120                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 413                   | 185                  | 130                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 414                   | 185                  | 140                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 415                   | 185                  | 150                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 416                   | 185                  | 160                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 417                   | 185                  | 170                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 418                   | 185                  | 180                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 419                   | 185                  | 190                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 420                   | 185                  | 200                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 421                   | 185                  | 210                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 422                   | 185                  | 220                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 423                   | 185                  | 230                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 424                   | 185                  | 240                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 425                   | 185                  | 250                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 426                   | 185                  | 260                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 427                   | 185                  | 270                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 428                   | 185                  | 280                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 429                   | 185                  | 290                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 430                   | 185                  | 300                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 431                   | 185                  | 310                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 432                   | 185                  | 320                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 433                   | 185                  | 330                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 434                   | 185                  | 340                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 435                   | 185                  | 350                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 436                   | 185                  | 360                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 437                   | 185                  | 370                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 438                   | 185                  | 380                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 439                   | 185                  | 390                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 440                   | 185                  | 400                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 441                   | 185                  | 410                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 442                   | 185                  | 420                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 443                   | 185                  | 430                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 444                   | 185                  | 440                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 445                   | 185                  | 450                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 446                   | 185                  | 460                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 447                   | 185                  | 470                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 448                   | 185                  | 480                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 449                   | 185                  | 490                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |
| 450                   | 185                  | 500                  | 28                                     | 27                                                         | 28                                                         | 28                                                         | 31                                                          | 31                                                          | 29                                                           | 29                                                           | 29                                                      | 29                                                       |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>OUTLET<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>OUTLET<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>OUTLET<br>(CAPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>OUTLET<br>(CAPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>OUTLET<br>STAND<br>-470LS<br>DEG.C | 3-12<br>DIST.<br>OUTLET<br>STAND<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>HAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 434                   | 192                  | 45                   | 28                                    | 27                                                         | 28                                                           | 29                                                           | 31                                                  | 31                                                  | 31                                                  | 31                                                  | 31                                                      | 30                                                       |
| 435                   | 193                  | 28                   | 28                                    | 27                                                         | 28                                                           | 28                                                           | 31                                                  | 31                                                  | 31                                                  | 31                                                  | 29                                                      | *                                                        |
| 436                   | 193                  | 28                   | 26                                    | *                                                          | *                                                            | *                                                            | 31                                                  | 31                                                  | 31                                                  | 31                                                  | 30                                                      | 31                                                       |
| 437                   | 194                  | 11                   | 27                                    | 28                                                         | 27                                                           | 28                                                           | 31                                                  | 31                                                  | 31                                                  | 31                                                  | 30                                                      | 30                                                       |
| 438                   | 194                  | 32                   | 26                                    | 27                                                         | 27                                                           | 28                                                           | 30                                                  | 30                                                  | 30                                                  | 30                                                  | 30                                                      | 30                                                       |
| 439                   | 194                  | 53                   | 26                                    | 27                                                         | 27                                                           | 27                                                           | 30                                                  | 29                                                  | 30                                                  | 30                                                  | 30                                                      | 30                                                       |
| 440                   | 194                  | 15                   | 26                                    | 27                                                         | 27                                                           | 27                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 441                   | 195                  | 15                   | 26                                    | 27                                                         | 27                                                           | 27                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 442                   | 195                  | 36                   | 26                                    | 27                                                         | 27                                                           | 27                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 443                   | 195                  | 58                   | 26                                    | 26                                                         | 27                                                           | 27                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 444                   | 196                  | 19                   | 25                                    | 26                                                         | 27                                                           | 26                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 445                   | 196                  | 41                   | 25                                    | 27                                                         | 27                                                           | 26                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 446                   | 196                  | 43                   | 24                                    | 28                                                         | 29                                                           | 28                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 447                   | 203                  | 43                   | 24                                    | 28                                                         | 29                                                           | 28                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 448                   | 204                  | 25                   | 24                                    | 28                                                         | 29                                                           | 28                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 449                   | 204                  | 25                   | 24                                    | 28                                                         | 29                                                           | 28                                                           | 29                                                  | 29                                                  | 29                                                  | 29                                                  | 29                                                      | 29                                                       |
| 450                   | 209                  | 45                   | 35                                    | 33                                                         | 34                                                           | 33                                                           | 32                                                  | 32                                                  | 32                                                  | 32                                                  | 31                                                      | 32                                                       |
| 451                   | 209                  | 45                   | 35                                    | 33                                                         | 34                                                           | 33                                                           | 32                                                  | 32                                                  | 32                                                  | 32                                                  | 31                                                      | 32                                                       |
| 452                   | 210                  | 28                   | 35                                    | 34                                                         | 35                                                           | 34                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 32                                                      | 32                                                       |
| 453                   | 210                  | 49                   | 35                                    | 34                                                         | 35                                                           | 34                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 32                                                      | 32                                                       |
| 454                   | 211                  | 10                   | 35                                    | 33                                                         | 35                                                           | 35                                                           | *                                                   | *                                                   | *                                                   | *                                                   | *                                                       | *                                                        |
| 455                   | 211                  | 46                   | 37                                    | 35                                                         | 36                                                           | 35                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 33                                                      | 34                                                       |
| 456                   | 212                  | 46                   | 37                                    | 35                                                         | 36                                                           | 35                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 33                                                      | 34                                                       |
| 457                   | 213                  | 0                    | 36                                    | 35                                                         | 36                                                           | 35                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 33                                                      | 34                                                       |
| 458                   | 213                  | 29                   | 36                                    | 34                                                         | 35                                                           | 35                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 33                                                      | 34                                                       |
| 459                   | 213                  | 51                   | 36                                    | 34                                                         | 35                                                           | 35                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 33                                                      | 34                                                       |
| 460                   | 214                  | 13                   | 36                                    | 35                                                         | 36                                                           | 35                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 33                                                      | 34                                                       |
| 461                   | 214                  | 34                   | 36                                    | 35                                                         | 36                                                           | 35                                                           | 33                                                  | 33                                                  | 33                                                  | 33                                                  | 33                                                      | 34                                                       |
| 462                   | 214                  | 55                   | 36                                    | 36                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 463                   | 215                  | 16                   | 36                                    | 36                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 464                   | 215                  | 38                   | 36                                    | 36                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 465                   | 216                  | 0                    | 35                                    | 36                                                         | 36                                                           | 36                                                           | *                                                   | *                                                   | *                                                   | *                                                   | *                                                       | *                                                        |
| 466                   | 216                  | 21                   | 35                                    | 36                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 467                   | 216                  | 43                   | 36                                    | 36                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 468                   | 217                  | 4                    | 36                                    | 35                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 469                   | 217                  | 26                   | 36                                    | 35                                                         | 37                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 470                   | 217                  | 47                   | 36                                    | 36                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 471                   | 218                  | 8                    | 35                                    | 35                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 472                   | 218                  | 30                   | 35                                    | 35                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 473                   | 218                  | 51                   | 36                                    | 35                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 474                   | 219                  | 11                   | 36                                    | 35                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 475                   | 219                  | 43                   | 36                                    | 35                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 476                   | 219                  | 56                   | 36                                    | 35                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 477                   | 220                  | 17                   | 35                                    | 35                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 478                   | 220                  | 39                   | 35                                    | 36                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 479                   | 221                  | 0                    | 36                                    | 36                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 480                   | 221                  | 22                   | 36                                    | 36                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 481                   | 221                  | 44                   | 36                                    | 35                                                         | 36                                                           | 36                                                           | 34                                                  | 34                                                  | 34                                                  | 34                                                  | 34                                                      | 34                                                       |
| 482                   | 222                  | 1                    | 36                                    | 35                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |
| 483                   | 222                  | 20                   | 36                                    | 36                                                         | 36                                                           | 36                                                           | 35                                                  | 35                                                  | 35                                                  | 35                                                  | 34                                                      | 34                                                       |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>OLENUM<br>CHMBR<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>LS FND<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>RS FND<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>-470LS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>HAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|-----------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 454                   | 222                  | 48                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 455                   | 223                  | 9                    | 35                                    | 36                                                        | 36                                                 | 35                                                 | 35                                                 | 35                                                 | 36                                                 | 36                                                 | 34                                                      | 34                                                       |
| 456                   | 223                  | 31                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 36                                                 | 36                                                 | 34                                                      | 35                                                       |
| 457                   | 223                  | 52                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 36                                                 | 36                                                 | 35                                                      | 35                                                       |
| 458                   | 224                  | 14                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 36                                                 | 36                                                 | 34                                                      | 35                                                       |
| 459                   | 224                  | 35                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 25                                                 | 8                                                  | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 460                   | 224                  | 57                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 461                   | 225                  | 19                   | 36                                    | 35                                                        | 36                                                 | 35                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 462                   | 225                  | 40                   | 35                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 463                   | 226                  | 2                    | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 36                                                 | 36                                                 | 34                                                      | 35                                                       |
| 464                   | 226                  | 24                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 36                                                 | 36                                                 | 34                                                      | 35                                                       |
| 465                   | 226                  | 45                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 36                                                 | 36                                                 | 35                                                      | 35                                                       |
| 466                   | 227                  | 7                    | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 36                                                 | 36                                                 | 35                                                      | 35                                                       |
| 467                   | 227                  | 29                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 468                   | 227                  | 51                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 469                   | 228                  | 12                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 470                   | 228                  | 34                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 471                   | 229                  | 6                    | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 472                   | 229                  | 18                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 473                   | 229                  | 39                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 474                   | 230                  | 1                    | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 475                   | 230                  | 23                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 476                   | 231                  | 6                    | 36                                    | 36                                                        | 37                                                 | 35                                                 | 36                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 477                   | 231                  | 27                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 478                   | 231                  | 40                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 479                   | 231                  | 10                   | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 480                   | 232                  | 31                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 481                   | 232                  | 48                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 482                   | 233                  | 14                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 483                   | 233                  | 36                   | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 484                   | 233                  | 57                   | 36                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 485                   | 233                  | 19                   | 36                                    | 35                                                        | 37                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 486                   | 234                  | 4                    | 36                                    | 35                                                        | 37                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 35                                                       |
| 487                   | 235                  | 2                    | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 488                   | 235                  | 24                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 489                   | 235                  | 45                   | 36                                    | 35                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 490                   | 235                  | 7                    | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 35                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 491                   | 236                  | 50                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 492                   | 236                  | 12                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 493                   | 237                  | 34                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 494                   | 237                  | 55                   | 36                                    | 36                                                        | 36                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 495                   | 237                  | 17                   | 36                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 496                   | 238                  | 38                   | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 497                   | 238                  | 50                   | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 498                   | 239                  | 22                   | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 499                   | 239                  | 43                   | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 500                   | 239                  | 5                    | 37                                    | 36                                                        | 37                                                 | 36                                                 | 35                                                 | 36                                                 | 37                                                 | 36                                                 | 35                                                      | 36                                                       |
| 501                   | 240                  | 27                   | 37                                    | 37                                                        | 37                                                 | 37                                                 | 36                                                 | 36                                                 | 37                                                 | 37                                                 | 36                                                      | 36                                                       |
| 502                   | 240                  | 48                   | 37                                    | 37                                                        | 37                                                 | 37                                                 | 36                                                 | 36                                                 | 37                                                 | 37                                                 | 36                                                      | 36                                                       |
| 503                   | 240                  | 50                   | 37                                    | 37                                                        | 37                                                 | 37                                                 | 36                                                 | 36                                                 | 37                                                 | 37                                                 | 36                                                      | 36                                                       |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>LOCKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>LOCKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>ST460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>ST460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>MAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 504                   | 240                  | 49                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 36                                                           | 36                                                           | 37                                                          | 36                                                          | 36                                                      | 36                                                       |
| 505                   | 241                  | 10                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 36                                                           | 36                                                           | 37                                                          | 36                                                          | 36                                                      | 36                                                       |
| 506                   | 241                  | 32                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 36                                                           | 36                                                           | 37                                                          | 37                                                          | 36                                                      | 36                                                       |
| 507                   | 241                  | 54                   | 36                                    | 36                                                         | 36                                                         | 36                                                         | 36                                                           | 36                                                           | 37                                                          | 36                                                          | 36                                                      | 36                                                       |
| 508                   | 242                  | 15                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 36                                                           | 36                                                           | 37                                                          | 37                                                          | 36                                                      | 36                                                       |
| 509                   | 242                  | 37                   | 37                                    | 36                                                         | 36                                                         | 37                                                         | 36                                                           | 36                                                           | 38                                                          | 36                                                          | 36                                                      | 36                                                       |
| 510                   | 242                  | 59                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 36                                                           | 36                                                           | 37                                                          | 36                                                          | 36                                                      | 36                                                       |
| 511                   | 243                  | 20                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 36                                                           | 36                                                           | 37                                                          | 37                                                          | 36                                                      | 36                                                       |
| 512                   | 243                  | 42                   | 38                                    | 37                                                         | 38                                                         | 37                                                         | 36                                                           | 37                                                           | 38                                                          | 37                                                          | 36                                                      | 36                                                       |
| 513                   | 244                  | 3                    | 38                                    | 37                                                         | 38                                                         | 37                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 514                   | 244                  | 25                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 515                   | 244                  | 46                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 36                                                           | 36                                                           | 38                                                          | 38                                                          | 36                                                      | 36                                                       |
| 516                   | 245                  | 8                    | 38                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 517                   | 245                  | 29                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 518                   | 245                  | 51                   | 38                                    | 37                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 519                   | 246                  | 12                   | 38                                    | 37                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 520                   | 246                  | 34                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 521                   | 246                  | 55                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 522                   | 247                  | 17                   | 39                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 523                   | 247                  | 39                   | 39                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 524                   | 248                  | 0                    | 39                                    | 38                                                         | 38                                                         | 38                                                         | 36                                                           | 36                                                           | 39                                                          | 38                                                          | 36                                                      | 36                                                       |
| 525                   | 248                  | 22                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 526                   | 248                  | 43                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 527                   | 249                  | 5                    | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 528                   | 249                  | 27                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 529                   | 249                  | 48                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 530                   | 250                  | 9                    | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 531                   | 250                  | 31                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 532                   | 250                  | 52                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 533                   | 251                  | 14                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 534                   | 251                  | 35                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 535                   | 251                  | 56                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 536                   | 252                  | 19                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 537                   | 252                  | 40                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 538                   | 253                  | 2                    | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 539                   | 253                  | 20                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 540                   | 254                  | 7                    | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 541                   | 254                  | 29                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 542                   | 254                  | 51                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 543                   | 254                  | 12                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |
| 544                   | 255                  | 12                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 37                                                           | 37                                                           | 39                                                          | 39                                                          | 37                                                      | 37                                                       |

NH-53C S/N 66-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 3-82<br>TIME<br>MIN. | 3-83<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>TEMP<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>WAIST<br>LEVEL<br>TEMP<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>TEMP<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FOOT<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------|
| 300                   | 141                  | 5                    | 41                                                      | 42                                              | 37                                                      | 37                                                       | 38                                               | 39                                              | 36                                                             | 36                                                              | 36                                                             | 36                                                            |
| 309                   | 141                  | 27                   | 41                                                      | 41                                              | 37                                                      | 37                                                       | 38                                               | 39                                              | 35                                                             | 35                                                              | 36                                                             | 36                                                            |
| 310                   | 141                  | 48                   | 40                                                      | 41                                              | 37                                                      | 38                                                       | 38                                               | 39                                              | 35                                                             | 35                                                              | 36                                                             | 36                                                            |
| 311                   | 142                  | 10                   | 39                                                      | 42                                              | 36                                                      | 37                                                       | 38                                               | 39                                              | 35                                                             | 35                                                              | 36                                                             | 36                                                            |
| 312                   | 142                  | 31                   | 38                                                      | 40                                              | 35                                                      | 36                                                       | 37                                               | 38                                              | 33                                                             | 33                                                              | 35                                                             | 35                                                            |
| 313                   | 142                  | 52                   | 39                                                      | 40                                              | 35                                                      | 37                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 314                   | 143                  | 14                   | 38                                                      | 41                                              | 35                                                      | 37                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 315                   | 143                  | 35                   | 39                                                      | 40                                              | 35                                                      | 37                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 316                   | 143                  | 57                   | 39                                                      | 40                                              | 35                                                      | 36                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 317                   | 143                  | 16                   | 39                                                      | 39                                              | 35                                                      | 37                                                       | 38                                               | 38                                              | 35                                                             | 35                                                              | 35                                                             | 35                                                            |
| 318                   | 144                  | 39                   | 39                                                      | 40                                              | 36                                                      | 37                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 319                   | 145                  | 1                    | 39                                                      | 40                                              | 36                                                      | 37                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 320                   | 145                  | 22                   | 38                                                      | 39                                              | 38                                                      | 37                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 321                   | 145                  | 43                   | 38                                                      | 40                                              | 36                                                      | 37                                                       | 38                                               | 39                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 322                   | 146                  | 5                    | 39                                                      | 39                                              | 37                                                      | 37                                                       | 39                                               | 38                                              | 35                                                             | 35                                                              | 35                                                             | 35                                                            |
| 323                   | 146                  | 26                   | 39                                                      | 40                                              | 37                                                      | 36                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 36                                                             | 36                                                            |
| 325                   | 147                  | 8                    | 39                                                      | 40                                              | 37                                                      | 36                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 36                                                             | 36                                                            |
| 326                   | 147                  | 30                   | 40                                                      | 39                                              | 37                                                      | 36                                                       | 37                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 327                   | 147                  | 51                   | 41                                                      | 39                                              | 37                                                      | 37                                                       | 37                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 328                   | 148                  | 12                   | 41                                                      | 39                                              | 38                                                      | 37                                                       | 38                                               | 38                                              | 35                                                             | 35                                                              | 35                                                             | 35                                                            |
| 329                   | 148                  | 34                   | 40                                                      | 41                                              | 38                                                      | 37                                                       | 39                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 330                   | 148                  | 55                   | 40                                                      | 39                                              | 38                                                      | 37                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 331                   | 149                  | 30                   | 40                                                      | 40                                              | 36                                                      | 36                                                       | 38                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 332                   | 149                  | 38                   | 40                                                      | 40                                              | 36                                                      | 35                                                       | 38                                               | 38                                              | 35                                                             | 35                                                              | 36                                                             | 36                                                            |
| 333                   | 149                  | 59                   | 40                                                      | 39                                              | 36                                                      | 35                                                       | 37                                               | 38                                              | 35                                                             | 35                                                              | 35                                                             | 35                                                            |
| 334                   | 150                  | 20                   | 41                                                      | 40                                              | 36                                                      | 35                                                       | 38                                               | 38                                              | 35                                                             | 35                                                              | 35                                                             | 35                                                            |
| 335                   | 150                  | 41                   | 40                                                      | 41                                              | 36                                                      | 35                                                       | 37                                               | 39                                              | 35                                                             | 35                                                              | 36                                                             | 36                                                            |
| 336                   | 151                  | 3                    | 40                                                      | 39                                              | 35                                                      | 36                                                       | 37                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 337                   | 151                  | 24                   | 40                                                      | 39                                              | 35                                                      | 35                                                       | 36                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 338                   | 151                  | 46                   | 39                                                      | 39                                              | 35                                                      | 34                                                       | 36                                               | 38                                              | 34                                                             | 34                                                              | 35                                                             | 35                                                            |
| 339                   | 152                  | 7                    | 39                                                      | 39                                              | 34                                                      | 34                                                       | 36                                               | 37                                              | 33                                                             | 33                                                              | 35                                                             | 35                                                            |
| 340                   | 152                  | 28                   | 38                                                      | 38                                              | 34                                                      | 34                                                       | 36                                               | 37                                              | 33                                                             | 33                                                              | 35                                                             | 35                                                            |
| 341                   | 152                  | 58                   | 38                                                      | 39                                              | 34                                                      | 34                                                       | 36                                               | 37                                              | 33                                                             | 33                                                              | 35                                                             | 35                                                            |
| 342                   | 153                  | 11                   | 38                                                      | 38                                              | 34                                                      | 34                                                       | 36                                               | 37                                              | 33                                                             | 33                                                              | 35                                                             | 35                                                            |
| 343                   | 153                  | 32                   | 38                                                      | 38                                              | 33                                                      | 33                                                       | 35                                               | 37                                              | 32                                                             | 32                                                              | 34                                                             | 34                                                            |
| 344                   | 153                  | 54                   | 38                                                      | 38                                              | 33                                                      | 33                                                       | 35                                               | 37                                              | 32                                                             | 32                                                              | 34                                                             | 34                                                            |
| 345                   | 154                  | 15                   | 38                                                      | 38                                              | 33                                                      | 32                                                       | 35                                               | 37                                              | 32                                                             | 32                                                              | 34                                                             | 34                                                            |
| 346                   | 154                  | 36                   | 37                                                      | 38                                              | 32                                                      | 32                                                       | 35                                               | 36                                              | 31                                                             | 31                                                              | 33                                                             | 33                                                            |
| 347                   | 154                  | 58                   | 37                                                      | 38                                              | 31                                                      | 31                                                       | 34                                               | 36                                              | 30                                                             | 30                                                              | 33                                                             | 33                                                            |
| 348                   | 155                  | 19                   | 37                                                      | 37                                              | 31                                                      | 31                                                       | 34                                               | 35                                              | 30                                                             | 30                                                              | 33                                                             | 33                                                            |
| 349                   | 155                  | 40                   | 37                                                      | 36                                              | 30                                                      | 31                                                       | 34                                               | 35                                              | 29                                                             | 29                                                              | 33                                                             | 33                                                            |
| 350                   | 156                  | 23                   | 37                                                      | 37                                              | 30                                                      | 31                                                       | 34                                               | 35                                              | 29                                                             | 29                                                              | 34                                                             | 34                                                            |
| 351                   | 156                  | 44                   | 37                                                      | 36                                              | 30                                                      | 30                                                       | 34                                               | 35                                              | 29                                                             | 29                                                              | 34                                                             | 34                                                            |
| 352                   | 157                  | 6                    | 37                                                      | 36                                              | 30                                                      | 30                                                       | 34                                               | 35                                              | 29                                                             | 29                                                              | 34                                                             | 34                                                            |
| 353                   | 157                  | 6                    | 37                                                      | 36                                              | 30                                                      | 30                                                       | 34                                               | 35                                              | 29                                                             | 29                                                              | 34                                                             | 34                                                            |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>MAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>MAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 354                   | 157                  | 27                   | 37                                                      | 36                                             | 29                                                      | 29                                                       | 32                                                      | 32                                              | 20                                                     | 30                                                      | 34                                                     | 32                                                     |
| 355                   | 157                  | 48                   | 36                                                      | 35                                             | 29                                                      | 29                                                       | 32                                                      | 34                                              | 20                                                     | 30                                                      | 33                                                     | 33                                                     |
| 356                   | 158                  | 9                    | 36                                                      | 35                                             | 29                                                      | 29                                                       | 32                                                      | 34                                              | 20                                                     | 30                                                      | 33                                                     | 33                                                     |
| 357                   | 161                  | 19                   | 34                                                      | 33                                             | 27                                                      | 27                                                       | 29                                                      | 31                                              | 27                                                     | 27                                                      | 32                                                     | 30                                                     |
| 358                   | 165                  | 1                    | 33                                                      | 32                                             | 25                                                      | 27                                                       | 29                                                      | 31                                              | 25                                                     | 25                                                      | 31                                                     | 29                                                     |
| 359                   | 166                  | 41                   | 31                                                      | 31                                             | 24                                                      | 26                                                       | 29                                                      | 29                                              | 24                                                     | 25                                                      | 30                                                     | 29                                                     |
| 360                   | 168                  | 18                   | 30                                                      | 30                                             | 24                                                      | 25                                                       | 27                                                      | 28                                              | 23                                                     | 24                                                      | 30                                                     | 28                                                     |
| 361                   | 171                  | 43                   | 29                                                      | 28                                             | 24                                                      | 25                                                       | 26                                                      | 28                                              | 23                                                     | 24                                                      | 29                                                     | 26                                                     |
| 362                   | 172                  | 4                    | 29                                                      | 28                                             | 24                                                      | 24                                                       | 26                                                      | 27                                              | 23                                                     | 24                                                      | 28                                                     | 26                                                     |
| 363                   | 172                  | 25                   | 29                                                      | 28                                             | 24                                                      | 24                                                       | 26                                                      | 27                                              | 23                                                     | 24                                                      | 28                                                     | 26                                                     |
| 364                   | 172                  | 46                   | 29                                                      | 28                                             | 31                                                      | 24                                                       | 25                                                      | 27                                              | 24                                                     | 24                                                      | 28                                                     | 26                                                     |
| 365                   | 173                  | 7                    | 24                                                      | 28                                             | 24                                                      | 24                                                       | 25                                                      | 27                                              | 24                                                     | 24                                                      | 28                                                     | 26                                                     |
| 366                   | 173                  | 29                   | 24                                                      | 28                                             | 24                                                      | 24                                                       | 25                                                      | 27                                              | 24                                                     | 24                                                      | 28                                                     | 26                                                     |
| 367                   | 173                  | 50                   | 24                                                      | 28                                             | 24                                                      | 24                                                       | 25                                                      | 27                                              | 24                                                     | 24                                                      | 28                                                     | 26                                                     |
| 368                   | 174                  | 11                   | 29                                                      | 28                                             | 25                                                      | 24                                                       | 25                                                      | 27                                              | 24                                                     | 24                                                      | 28                                                     | 26                                                     |
| 369                   | 174                  | 32                   | 29                                                      | 27                                             | 25                                                      | 24                                                       | 25                                                      | 27                                              | 24                                                     | 24                                                      | 28                                                     | 26                                                     |
| 370                   | 174                  | 53                   | 29                                                      | 27                                             | 25                                                      | 24                                                       | 25                                                      | 27                                              | 24                                                     | 24                                                      | 28                                                     | 26                                                     |
| 371                   | 175                  | 14                   | 28                                                      | 27                                             | 25                                                      | 25                                                       | 26                                                      | 26                                              | 25                                                     | 25                                                      | 28                                                     | 25                                                     |
| 372                   | 175                  | 35                   | 29                                                      | 27                                             | 25                                                      | 25                                                       | 26                                                      | 26                                              | 25                                                     | 25                                                      | 28                                                     | 25                                                     |
| 373                   | 175                  | 56                   | 29                                                      | 27                                             | 25                                                      | 25                                                       | 26                                                      | 26                                              | 25                                                     | 25                                                      | 28                                                     | 25                                                     |
| 374                   | 176                  | 17                   | 29                                                      | 28                                             | 27                                                      | 26                                                       | 26                                                      | 26                                              | 26                                                     | 26                                                      | 27                                                     | 27                                                     |
| 375                   | 176                  | 38                   | 28                                                      | 27                                             | 27                                                      | 26                                                       | 27                                                      | 26                                              | 27                                                     | 27                                                      | 27                                                     | 27                                                     |
| 376                   | 175                  | 59                   | 27                                                      | 27                                             | 27                                                      | 27                                                       | 27                                                      | 27                                              | 27                                                     | 27                                                      | 27                                                     | 27                                                     |
| 377                   | 177                  | 20                   | 29                                                      | 28                                             | 28                                                      | 27                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 378                   | 177                  | 41                   | 29                                                      | 28                                             | 28                                                      | 27                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 379                   | 178                  | 2                    | 29                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 380                   | 178                  | 2                    | 29                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 381                   | 180                  | 10                   | 29                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 382                   | 180                  | 31                   | 29                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 383                   | 180                  | 53                   | 28                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 384                   | 181                  | 14                   | 29                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 385                   | 181                  | 35                   | 29                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 386                   | 181                  | 57                   | 29                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 387                   | 182                  | 18                   | 30                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 388                   | 182                  | 40                   | 30                                                      | 28                                             | 28                                                      | 28                                                       | 28                                                      | 28                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 389                   | 183                  | 1                    | 29                                                      | 28                                             | 29                                                      | 29                                                       | 29                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 390                   | 183                  | 23                   | 29                                                      | 28                                             | 30                                                      | 29                                                       | 29                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 391                   | 183                  | 44                   | 30                                                      | 29                                             | 30                                                      | 31                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 392                   | 184                  | 6                    | 30                                                      | 29                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 393                   | 184                  | 27                   | 30                                                      | 29                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 394                   | 184                  | 36                   | 30                                                      | 29                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 395                   | 190                  | 57                   | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 396                   | 190                  | 19                   | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 397                   | 191                  | 40                   | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 398                   | 191                  | 2                    | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 399                   | 191                  | 23                   | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 400                   | 191                  | 40                   | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 401                   | 191                  | 40                   | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 402                   | 192                  | 2                    | 31                                                      | 30                                             | 30                                                      | 30                                                       | 30                                                      | 27                                              | 28                                                     | 28                                                      | 28                                                     | 28                                                     |
| 403                   | 192                  | 23                   | 30                                                      | 31                                             | 31                                                      | 31                                                       | 31                                                      | 29                                              | 29                                                     | 29                                                      | 29                                                     | 29                                                     |



| -81<br>SWEET<br>COUNT | 3-82<br>TIME<br>MIN. | 3-83<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>HAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>HAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| 404                   | 192                  | 45                   | 30                                                      | 31                                                      | 31                                                       | 31                                                      | 29                                               | +                                               | +                                                | +                                               | +                                               |
| 405                   | 193                  | 6                    | 30                                                      | 31                                                      | 30                                                       | 31                                                      | 30                                               | 28                                              | 28                                               | 28                                              | 29                                              |
| 406                   | 193                  | 28                   | 30                                                      | 30                                                      | 30                                                       | 30                                                      | 30                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 407                   | 194                  | 11                   | 31                                                      | 30                                                      | 29                                                       | 31                                                      | 29                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 408                   | 194                  | 32                   | 30                                                      | 31                                                      | 29                                                       | 30                                                      | 31                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 409                   | 194                  | 53                   | 30                                                      | 29                                                      | 29                                                       | 30                                                      | 29                                               | 29                                              | 29                                               | 29                                              | 29                                              |
| 410                   | 194                  | 53                   | 30                                                      | 29                                                      | 29                                                       | 30                                                      | 30                                               | 29                                              | 29                                               | 29                                              | 29                                              |
| 411                   | 195                  | 15                   | 30                                                      | 29                                                      | 29                                                       | 30                                                      | 30                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 412                   | 195                  | 36                   | 30                                                      | 29                                                      | 29                                                       | 30                                                      | 30                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 413                   | 195                  | 58                   | 30                                                      | 29                                                      | 28                                                       | 30                                                      | 30                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 414                   | 196                  | 19                   | 31                                                      | 29                                                      | 28                                                       | 29                                                      | 29                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 415                   | 196                  | 41                   | 30                                                      | 29                                                      | 28                                                       | 29                                                      | 29                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 416                   | 203                  | 43                   | 30                                                      | 29                                                      | 29                                                       | 30                                                      | 30                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 417                   | 204                  | 4                    | 30                                                      | 29                                                      | 29                                                       | 29                                                      | 30                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 418                   | 204                  | 25                   | 30                                                      | 29                                                      | 29                                                       | 30                                                      | 29                                               | 28                                              | 28                                               | 28                                              | 28                                              |
| 419                   | 208                  | 24                   | 32                                                      | 32                                                      | 32                                                       | 31                                                      | 29                                               | 29                                              | 29                                               | 29                                              | 29                                              |
| 420                   | 209                  | 45                   | 32                                                      | 32                                                      | 32                                                       | 31                                                      | 31                                               | 32                                              | 32                                               | 29                                              | 30                                              |
| 421                   | 210                  | 6                    | 32                                                      | 32                                                      | 32                                                       | 31                                                      | 31                                               | 32                                              | 32                                               | 29                                              | 30                                              |
| 422                   | 210                  | 28                   | 32                                                      | 33                                                      | 32                                                       | 29                                                      | 31                                               | 32                                              | 32                                               | 29                                              | 30                                              |
| 423                   | 218                  | 49                   | 32                                                      | 33                                                      | 32                                                       | 29                                                      | 31                                               | 32                                              | 32                                               | 29                                              | 30                                              |
| 424                   | 211                  | 18                   | 32                                                      | 33                                                      | 32                                                       | 29                                                      | 31                                               | 32                                              | 32                                               | 29                                              | 30                                              |
| 425                   | 211                  | 18                   | 32                                                      | 33                                                      | 32                                                       | 29                                                      | 31                                               | 32                                              | 32                                               | 29                                              | 30                                              |
| 426                   | 212                  | 46                   | 32                                                      | 33                                                      | 32                                                       | 33                                                      | 32                                               | 33                                              | 32                                               | 29                                              | 30                                              |
| 427                   | 213                  | 8                    | 32                                                      | 33                                                      | 33                                                       | 33                                                      | 34                                               | 34                                              | 32                                               | 29                                              | 30                                              |
| 428                   | 213                  | 29                   | 32                                                      | 33                                                      | 33                                                       | 33                                                      | 33                                               | 34                                              | 32                                               | 30                                              | 31                                              |
| 429                   | 213                  | 51                   | 32                                                      | 33                                                      | 33                                                       | 33                                                      | 33                                               | 34                                              | 32                                               | 30                                              | 31                                              |
| 430                   | 214                  | 13                   | 32                                                      | 33                                                      | 33                                                       | 33                                                      | 32                                               | 34                                              | 32                                               | 31                                              | 31                                              |
| 431                   | 214                  | 34                   | 32                                                      | 33                                                      | 33                                                       | 33                                                      | 32                                               | 34                                              | 32                                               | 31                                              | 31                                              |
| 432                   | 214                  | 55                   | 32                                                      | 33                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 33                                              |
| 433                   | 215                  | 16                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 434                   | 215                  | 38                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 435                   | 216                  | 0                    | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 436                   | 216                  | 21                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 437                   | 215                  | 43                   | 33                                                      | 35                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 438                   | 217                  | 4                    | 32                                                      | 34                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 439                   | 217                  | 26                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 34                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 440                   | 217                  | 47                   | 34                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 441                   | 218                  | 8                    | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 442                   | 218                  | 30                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 443                   | 218                  | 51                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 444                   | 219                  | 13                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 445                   | 219                  | 4                    | 34                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 446                   | 219                  | 56                   | 34                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 447                   | 220                  | 17                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 448                   | 220                  | 39                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 449                   | 221                  | 0                    | 34                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 450                   | 221                  | 22                   | 34                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 451                   | 221                  | 44                   | 33                                                      | 34                                                      | 34                                                       | 34                                                      | 35                                               | 34                                              | 32                                               | 32                                              | 32                                              |
| 452                   | 222                  | 1                    | 34                                                      | 34                                                      | 34                                                       | 34                                                      | 36                                               | 35                                              | 34                                               | 34                                              | 34                                              |
| 453                   | 222                  | 26                   | 34                                                      | 35                                                      | 35                                                       | 34                                                      | 36                                               | 35                                              | 34                                               | 34                                              | 34                                              |

| -01<br>SHEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>WAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FOOT<br>MASS<br>LEVEL<br>DEG.C |
|----------------------|----------------------|----------------------|---------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------|
| 454                  | 222                  | 48                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 34                                                      | 35                                              | 34                                                     | 34                                               | 33                                              | 34                                                             |
| 455                  | 223                  | 31                   | 34                                                      | 36                                              | 34                                                      | 34                                                       | 34                                                      | 35                                              | 34                                                     | 34                                               | 33                                              | 34                                                             |
| 456                  | 223                  | 31                   | 34                                                      | 36                                              | 34                                                      | 34                                                       | 34                                                      | 35                                              | 34                                                     | 34                                               | 32                                              | 34                                                             |
| 457                  | 223                  | 52                   | 34                                                      | 35                                              | 34                                                      | 34                                                       | 34                                                      | 35                                              | 34                                                     | 34                                               | 32                                              | 33                                                             |
| 458                  | 224                  | 14                   | 34                                                      | 36                                              | 34                                                      | 34                                                       | 34                                                      | 35                                              | 34                                                     | 34                                               | 32                                              | 34                                                             |
| 459                  | 224                  | 35                   | 34                                                      | 36                                              | 34                                                      | 34                                                       | 34                                                      | 35                                              | 34                                                     | 34                                               | 32                                              | 34                                                             |
| 460                  | 224                  | 57                   | 34                                                      | 35                                              | 35                                                      | 34                                                       | 34                                                      | 35                                              | 34                                                     | 34                                               | 33                                              | 34                                                             |
| 461                  | 225                  | 19                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 34                                                      | 36                                              | 35                                                     | 35                                               | 33                                              | 34                                                             |
| 462                  | 225                  | 40                   | 34                                                      | 36                                              | 35                                                      | 34                                                       | 34                                                      | 36                                              | 35                                                     | 35                                               | 33                                              | 34                                                             |
| 463                  | 226                  | 2                    | 34                                                      | 36                                              | 34                                                      | 34                                                       | 34                                                      | 36                                              | 35                                                     | 35                                               | 33                                              | 34                                                             |
| 464                  | 226                  | 24                   | 34                                                      | 35                                              | 34                                                      | 35                                                       | 34                                                      | 35                                              | 35                                                     | 35                                               | 33                                              | 34                                                             |
| 465                  | 226                  | 45                   | 34                                                      | 35                                              | 35                                                      | 35                                                       | 34                                                      | 35                                              | 35                                                     | 35                                               | 33                                              | 34                                                             |
| 466                  | 227                  | 7                    | 34                                                      | 35                                              | 35                                                      | 35                                                       | 35                                                      | 35                                              | 35                                                     | 35                                               | 33                                              | 34                                                             |
| 467                  | 227                  | 29                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 36                                                     | 35                                               | 34                                              | 34                                                             |
| 468                  | 227                  | 51                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 36                                                     | 35                                               | 34                                              | 34                                                             |
| 469                  | 228                  | 12                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 33                                              | 35                                                             |
| 470                  | 228                  | 34                   | 34                                                      | 36                                              | 34                                                      | 35                                                       | 34                                                      | 36                                              | 35                                                     | 35                                               | 33                                              | 35                                                             |
| 471                  | 229                  | 45                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 36                                               | 34                                              | 35                                                             |
| 472                  | 229                  | 18                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 36                                                     | 36                                               | 34                                              | 35                                                             |
| 473                  | 229                  | 39                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 34                                                             |
| 474                  | 230                  | 1                    | 34                                                      | 36                                              | 34                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 34                                                             |
| 475                  | 230                  | 23                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 34                                                             |
| 476                  | 230                  | 45                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 34                                                             |
| 477                  | 231                  | 6                    | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 37                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 478                  | 231                  | 27                   | 34                                                      | 38                                              | 35                                                      | 35                                                       | 35                                                      | 37                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 479                  | 231                  | 48                   | 34                                                      | 38                                              | 35                                                      | 35                                                       | 35                                                      | 37                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 480                  | 232                  | 10                   | 34                                                      | 38                                              | 35                                                      | 35                                                       | 35                                                      | 37                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 481                  | 232                  | 31                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 482                  | 233                  | 14                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 483                  | 233                  | 36                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 484                  | 233                  | 57                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 485                  | 234                  | 19                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 486                  | 234                  | 45                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 487                  | 235                  | 2                    | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 488                  | 235                  | 24                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 489                  | 235                  | 45                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 490                  | 235                  | 55                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 491                  | 236                  | 7                    | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 492                  | 236                  | 45                   | 34                                                      | 36                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 493                  | 236                  | 50                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 494                  | 237                  | 12                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 495                  | 237                  | 33                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 496                  | 237                  | 55                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 497                  | 238                  | 17                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 498                  | 238                  | 38                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 499                  | 239                  | 0                    | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 500                  | 239                  | 22                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 501                  | 240                  | 43                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 502                  | 240                  | 55                   | 34                                                      | 37                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |
| 503                  | 240                  | 27                   | 34                                                      | 38                                              | 35                                                      | 35                                                       | 35                                                      | 36                                              | 35                                                     | 35                                               | 34                                              | 35                                                             |

| -01<br>SWEET<br>COUNT | 3-02<br>TIME<br>M.YN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>WAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|-----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 504                   | 240                   | 49                   | 36                                                      | 37                                                      | 36                                                      | 36                                                       | 36                                                      | *                                                | *                                                      | *                                                       | *                                                      | *                                                      |
| 505                   | 241                   | 14                   | 36                                                      | 37                                                      | 35                                                      | 36                                                       | 36                                                      | 37                                               | 36                                                     | 16                                                      | 34                                                     | 35                                                     |
| 506                   | 241                   | 32                   | 35                                                      | 37                                                      | 35                                                      | 36                                                       | 35                                                      | 37                                               | 36                                                     | 35                                                      | 34                                                     | 35                                                     |
| 507                   | 241                   | 54                   | 37                                                      | 37                                                      | 36                                                      | 35                                                       | 35                                                      | *                                                | *                                                      | *                                                       | *                                                      | *                                                      |
| 508                   | 242                   | 15                   | 35                                                      | 37                                                      | 35                                                      | 35                                                       | 36                                                      | *                                                | *                                                      | *                                                       | *                                                      | *                                                      |
| 509                   | 242                   | 37                   | 36                                                      | 37                                                      | 35                                                      | 35                                                       | 36                                                      | 37                                               | 36                                                     | 36                                                      | 34                                                     | 35                                                     |
| 510                   | 243                   | 59                   | 35                                                      | 38                                                      | 36                                                      | 36                                                       | 36                                                      | 37                                               | 36                                                     | 36                                                      | 34                                                     | 36                                                     |
| 511                   | 243                   | 20                   | 36                                                      | 39                                                      | 36                                                      | 36                                                       | 36                                                      | 37                                               | 36                                                     | 36                                                      | 35                                                     | 36                                                     |
| 512                   | 243                   | 42                   | 36                                                      | 37                                                      | 36                                                      | 36                                                       | 36                                                      | 37                                               | *                                                      | *                                                       | *                                                      | *                                                      |
| 513                   | 244                   | 3                    | 36                                                      | 38                                                      | 36                                                      | 36                                                       | 37                                                      | 38                                               | 36                                                     | 36                                                      | 35                                                     | 37                                                     |
| 514                   | 244                   | 25                   | 36                                                      | 38                                                      | 36                                                      | 36                                                       | 37                                                      | 38                                               | 36                                                     | 36                                                      | 35                                                     | 37                                                     |
| 515                   | 244                   | 46                   | 36                                                      | 38                                                      | 36                                                      | 36                                                       | 36                                                      | 38                                               | 37                                                     | 36                                                      | 35                                                     | 36                                                     |
| 516                   | 245                   | 8                    | 36                                                      | 41                                                      | 36                                                      | 36                                                       | 36                                                      | 38                                               | 36                                                     | 0                                                       | *                                                      | *                                                      |
| 517                   | 245                   | 29                   | 36                                                      | 38                                                      | 36                                                      | 36                                                       | 36                                                      | 38                                               | 36                                                     | 36                                                      | 35                                                     | 36                                                     |
| 518                   | 245                   | 51                   | 36                                                      | 38                                                      | 36                                                      | 36                                                       | 36                                                      | 37                                               | 36                                                     | 36                                                      | 35                                                     | 36                                                     |
| 519                   | 246                   | 12                   | 36                                                      | 37                                                      | 36                                                      | 37                                                       | 36                                                      | 38                                               | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 520                   | 246                   | 34                   | 36                                                      | 38                                                      | 36                                                      | 36                                                       | 37                                                      | 38                                               | 37                                                     | 36                                                      | 35                                                     | 35                                                     |
| 521                   | 246                   | 55                   | 36                                                      | 39                                                      | 36                                                      | 36                                                       | 36                                                      | *                                                | *                                                      | *                                                       | *                                                      | *                                                      |
| 522                   | 247                   | 17                   | 37                                                      | 39                                                      | 36                                                      | 37                                                       | 37                                                      | 38                                               | 37                                                     | 37                                                      | 35                                                     | 36                                                     |
| 523                   | 247                   | 39                   | 36                                                      | 38                                                      | 37                                                      | 37                                                       | 36                                                      | 37                                               | 37                                                     | 37                                                      | 35                                                     | 36                                                     |
| 524                   | 248                   | 8                    | *                                                       | *                                                       | *                                                       | *                                                        | *                                                       | *                                                | *                                                      | *                                                       | *                                                      | *                                                      |
| 525                   | 248                   | 22                   | 37                                                      | 39                                                      | 37                                                      | 36                                                       | 37                                                      | 39                                               | 38                                                     | 37                                                      | 35                                                     | 36                                                     |
| 526                   | 248                   | 43                   | 37                                                      | 38                                                      | 36                                                      | 36                                                       | 37                                                      | 38                                               | 38                                                     | 37                                                      | 35                                                     | 36                                                     |
| 527                   | 249                   | 5                    | 37                                                      | 40                                                      | 36                                                      | 37                                                       | 37                                                      | 38                                               | 37                                                     | 37                                                      | 35                                                     | 36                                                     |
| 528                   | 249                   | *                    | 37                                                      | 40                                                      | 36                                                      | 37                                                       | 37                                                      | 39                                               | 37                                                     | 37                                                      | 36                                                     | 37                                                     |
| 529                   | 249                   | 48                   | 37                                                      | 38                                                      | 37                                                      | 37                                                       | 36                                                      | 38                                               | 37                                                     | 38                                                      | 36                                                     | 37                                                     |
| 530                   | 250                   | 9                    | 37                                                      | 38                                                      | 37                                                      | 37                                                       | 37                                                      | 38                                               | 38                                                     | 38                                                      | 36                                                     | 36                                                     |
| 531                   | 250                   | 31                   | 37                                                      | 38                                                      | 37                                                      | 37                                                       | *                                                       | *                                                | *                                                      | *                                                       | *                                                      | *                                                      |
| 532                   | 250                   | 52                   | 37                                                      | 38                                                      | 38                                                      | 37                                                       | 37                                                      | 38                                               | 38                                                     | 38                                                      | 36                                                     | 37                                                     |
| 533                   | 251                   | 14                   | 37                                                      | 38                                                      | 37                                                      | 37                                                       | 37                                                      | 38                                               | 38                                                     | 38                                                      | 36                                                     | 36                                                     |
| 534                   | 251                   | 35                   | 37                                                      | 38                                                      | 38                                                      | 37                                                       | 36                                                      | 38                                               | 38                                                     | 37                                                      | 36                                                     | 36                                                     |
| 535                   | 251                   | 58                   | 37                                                      | 39                                                      | 37                                                      | 36                                                       | 36                                                      | 38                                               | 38                                                     | 37                                                      | 36                                                     | 37                                                     |
| 536                   | 252                   | 19                   | 37                                                      | 38                                                      | 37                                                      | 37                                                       | 36                                                      | 39                                               | 37                                                     | 37                                                      | 36                                                     | 37                                                     |
| 537                   | 252                   | 40                   | 37                                                      | 38                                                      | 37                                                      | 37                                                       | 36                                                      | 39                                               | 38                                                     | 37                                                      | 36                                                     | 36                                                     |
| 538                   | 253                   | 2                    | 36                                                      | 38                                                      | 37                                                      | 37                                                       | 36                                                      | 38                                               | 37                                                     | 36                                                      | 36                                                     | 36                                                     |
| 539                   | 253                   | 28                   | 36                                                      | 39                                                      | 37                                                      | 37                                                       | 37                                                      | 38                                               | 38                                                     | 37                                                      | 36                                                     | 36                                                     |
| 541                   | 254                   | 7                    | *                                                       | *                                                       | *                                                       | *                                                        | *                                                       | 39                                               | 38                                                     | 38                                                      | 36                                                     | 37                                                     |
| 542                   | 254                   | 29                   | 38                                                      | 40                                                      | 38                                                      | 38                                                       | 38                                                      | 40                                               | 38                                                     | 39                                                      | 36                                                     | 38                                                     |
| 543                   | 254                   | 51                   | 38                                                      | 40                                                      | 39                                                      | 38                                                       | 38                                                      | 40                                               | 41                                                     | 40                                                      | 37                                                     | 38                                                     |
| 544                   | 255                   | 12                   | *                                                       | *                                                       | *                                                       | *                                                        | *                                                       | 39                                               | 40                                                     | 39                                                      | 36                                                     | 38                                                     |

HH-53C S/M 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -81<br>SLEEP<br>COUNT | 3-82<br>TIME<br>MIN. | 3-83<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 308                   | 141                  | 5                    | 36                                                     | 36                                                      | 36                                                     | 35                                                     |
| 309                   | 141                  | 27                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 310                   | 141                  | 48                   | 35                                                     | 36                                                      | 36                                                     | 35                                                     |
| 311                   | 142                  | 18                   | 35                                                     | 35                                                      | 35                                                     | 35                                                     |
| 312                   | 142                  | 31                   | 33                                                     | 34                                                      | 34                                                     | 35                                                     |
| 313                   | 142                  | 52                   | 34                                                     | 34                                                      | 35                                                     | 35                                                     |
| 314                   | 143                  | 14                   | 34                                                     | 34                                                      | 35                                                     | 35                                                     |
| 315                   | 143                  | 35                   | 35                                                     | 35                                                      | 35                                                     | 35                                                     |
| 316                   | 143                  | 57                   | 35                                                     | 35                                                      | 35                                                     | 35                                                     |
| 317                   | 143                  | 16                   | 35                                                     | 36                                                      | 36                                                     | 35                                                     |
| 318                   | 144                  | 39                   | 35                                                     | 36                                                      | 36                                                     | 36                                                     |
| 319                   | 145                  | 1                    | 36                                                     | 36                                                      | 36                                                     | 35                                                     |
| 320                   | 145                  | 22                   | 35                                                     | 32                                                      | *                                                      | *                                                      |
| 321                   | 145                  | 43                   | 36                                                     | 36                                                      | 36                                                     | 35                                                     |
| 322                   | 146                  | 5                    | 36                                                     | 38                                                      | 36                                                     | 38                                                     |
| 323                   | 146                  | 26                   | 39                                                     | 41                                                      | 38                                                     | 36                                                     |
| 324                   | 147                  | 8                    | 37                                                     | 39                                                      | 38                                                     | 36                                                     |
| 325                   | 147                  | 30                   | 38                                                     | 39                                                      | 37                                                     | 36                                                     |
| 326                   | 147                  | 51                   | 37                                                     | 39                                                      | 37                                                     | 36                                                     |
| 327                   | 147                  | 12                   | 36                                                     | 38                                                      | 37                                                     | 36                                                     |
| 328                   | 148                  | 34                   | 37                                                     | 38                                                      | 37                                                     | 36                                                     |
| 329                   | 149                  | 55                   | 36                                                     | 37                                                      | 36                                                     | 36                                                     |
| 330                   | 149                  | *                    | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 331                   | 149                  | 18                   | 35                                                     | 35                                                      | 35                                                     | 36                                                     |
| 332                   | 149                  | 39                   | 35                                                     | *                                                       | *                                                      | *                                                      |
| 333                   | 149                  | 59                   | 35                                                     | 35                                                      | 35                                                     | 36                                                     |
| 334                   | 150                  | 20                   | 35                                                     | 35                                                      | 35                                                     | 36                                                     |
| 335                   | 150                  | 41                   | 34                                                     | 34                                                      | 34                                                     | 36                                                     |
| 336                   | 151                  | 3                    | 34                                                     | 34                                                      | 34                                                     | 36                                                     |
| 337                   | 151                  | 24                   | 33                                                     | 33                                                      | 33                                                     | 36                                                     |
| 338                   | 151                  | 45                   | 32                                                     | 32                                                      | 33                                                     | 36                                                     |
| 339                   | 152                  | 7                    | 31                                                     | 31                                                      | 32                                                     | 36                                                     |
| 340                   | 152                  | 29                   | 31                                                     | 30                                                      | 31                                                     | 35                                                     |
| 341                   | 152                  | 50                   | 30                                                     | 30                                                      | 31                                                     | 35                                                     |
| 342                   | 153                  | 11                   | 29                                                     | 29                                                      | 30                                                     | 35                                                     |
| 343                   | 153                  | 32                   | 29                                                     | 28                                                      | 30                                                     | 35                                                     |
| 344                   | 153                  | 54                   | 28                                                     | 28                                                      | 29                                                     | 35                                                     |
| 345                   | 154                  | 15                   | 28                                                     | 27                                                      | 28                                                     | 34                                                     |
| 346                   | 154                  | 36                   | 27                                                     | 26                                                      | 28                                                     | 34                                                     |
| 347                   | 154                  | 58                   | 27                                                     | 26                                                      | 27                                                     | 34                                                     |
| 348                   | 155                  | 19                   | 26                                                     | 25                                                      | 27                                                     | 33                                                     |
| 349                   | *                    | *                    | 25                                                     | 24                                                      | 26                                                     | 33                                                     |
| 350                   | *                    | *                    | 26                                                     | 24                                                      | 26                                                     | 33                                                     |
| 351                   | 156                  | 23                   | 25                                                     | 25                                                      | 26                                                     | 32                                                     |
| 352                   | 156                  | 44                   | 25                                                     | 24                                                      | 25                                                     | 32                                                     |
| 353                   | 157                  | 6                    | 24                                                     | 24                                                      | 26                                                     | 32                                                     |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 354                   | 157                  | 27                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 355                   | 157                  | 48                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 356                   | 158                  | 9                    | 24                                                     | 23                                                      | 24                                                     | 31                                                     |
| 357                   | 161                  | 19                   | 22                                                     | 22                                                      | 23                                                     | 28                                                     |
| 358                   | 165                  | 1                    | 22                                                     | 21                                                      | 21                                                     | 26                                                     |
| 359                   | 166                  | 41                   | 21                                                     | 21                                                      | 20                                                     | 25                                                     |
| 360                   | 168                  | 18                   | 21                                                     | 19                                                      | 21                                                     | 24                                                     |
| 361                   | 171                  | 43                   | 21                                                     | 21                                                      | 20                                                     | 22                                                     |
| 362                   | 172                  | 4                    | 21                                                     | 19                                                      | 20                                                     | 22                                                     |
| 363                   | 172                  | 25                   | 21                                                     | 20                                                      | 21                                                     | 22                                                     |
| 364                   | 172                  | 46                   | 21                                                     | 20                                                      | 20                                                     | 22                                                     |
| 365                   | 173                  | 7                    | 21                                                     | 21                                                      | 21                                                     | 22                                                     |
| 366                   | 173                  | 29                   | 21                                                     | 21                                                      | 21                                                     | 22                                                     |
| 367                   | 173                  | 50                   | 22                                                     | 22                                                      | 22                                                     | 22                                                     |
| 368                   | 174                  | 11                   | 22                                                     | 22                                                      | 22                                                     | 22                                                     |
| 369                   | 174                  | 32                   | 23                                                     | 22                                                      | 22                                                     | 22                                                     |
| 370                   | 176                  | 53                   | 24                                                     | 22                                                      | 22                                                     | 22                                                     |
| 371                   | 175                  | 14                   | 23                                                     | 23                                                      | 23                                                     | 22                                                     |
| 372                   | 175                  | 35                   | 24                                                     | 23                                                      | 23                                                     | 22                                                     |
| 373                   | 175                  | 56                   | 24                                                     | 24                                                      | 23                                                     | 22                                                     |
| 374                   | 176                  | 17                   | 25                                                     | 24                                                      | 25                                                     | 22                                                     |
| 375                   | 176                  | 38                   | 25                                                     | 25                                                      | 24                                                     | 22                                                     |
| 376                   | 176                  | 59                   | 27                                                     | 26                                                      | 25                                                     | 23                                                     |
| 377                   | 177                  | 28                   | 27                                                     | 26                                                      | 26                                                     | 22                                                     |
| 378                   | 177                  | 41                   | 27                                                     | 27                                                      | 26                                                     | 23                                                     |
| 379                   | 178                  | 2                    | 27                                                     | 27                                                      | 26                                                     | 23                                                     |
| 380                   | *                    | *                    | 26                                                     | 27                                                      | 27                                                     | 23                                                     |
| 381                   | *                    | *                    | 26                                                     | 27                                                      | 27                                                     | 24                                                     |
| 382                   | *                    | *                    | 27                                                     | 27                                                      | 26                                                     | 23                                                     |
| 383                   | *                    | *                    | 27                                                     | 28                                                      | 27                                                     | 25                                                     |
| 384                   | *                    | *                    | 27                                                     | 27                                                      | 26                                                     | 23                                                     |
| 385                   | 180                  | 10                   | 27                                                     | 27                                                      | 26                                                     | 23                                                     |
| 386                   | 180                  | 31                   | 27                                                     | 27                                                      | 26                                                     | 24                                                     |
| 387                   | 180                  | 53                   | 27                                                     | 27                                                      | 27                                                     | 24                                                     |
| 388                   | 181                  | 14                   | 26                                                     | 26                                                      | 27                                                     | 24                                                     |
| 389                   | 181                  | 35                   | 26                                                     | 26                                                      | 27                                                     | 24                                                     |
| 390                   | 181                  | 57                   | 26                                                     | 27                                                      | 27                                                     | 24                                                     |
| 391                   | 182                  | 18                   | 29                                                     | 28                                                      | 27                                                     | 24                                                     |
| 392                   | 182                  | 40                   | 28                                                     | 29                                                      | 27                                                     | 25                                                     |
| 393                   | 183                  | 1                    | 31                                                     | 31                                                      | 28                                                     | 24                                                     |
| 394                   | 183                  | 23                   | 31                                                     | 31                                                      | 29                                                     | 25                                                     |
| 395                   | 183                  | 44                   | 30                                                     | 30                                                      | 28                                                     | 25                                                     |
| 396                   | 184                  | 6                    | 29                                                     | 30                                                      | 28                                                     | 25                                                     |
| 397                   | 184                  | 27                   | 29                                                     | 31                                                      | 29                                                     | 25                                                     |
| 398                   | 188                  | 36                   | 35                                                     | 36                                                      | 33                                                     | 24                                                     |
| 399                   | 190                  | 57                   | 36                                                     | 36                                                      | 34                                                     | 28                                                     |
| 400                   | 191                  | 19                   | 37                                                     | 36                                                      | 34                                                     | 28                                                     |
| 401                   | 191                  | 40                   | 35                                                     | 37                                                      | 33                                                     | 29                                                     |
| 402                   | 192                  | 2                    | 35                                                     | 36                                                      | 34                                                     | 29                                                     |
| 403                   | 192                  | 23                   | 31                                                     | 34                                                      | 32                                                     | 0                                                      |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 404                   | 192                  | 45                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 405                   | 193                  | 6                    | 29                                                     | 32                                                      | 31                                                     | 29                                                     |
| 406                   | 193                  | 20                   | 31                                                     | 32                                                      | 31                                                     | 29                                                     |
| 407                   | *                    | *                    | 31                                                     | 31                                                      | 30                                                     | 29                                                     |
| 408                   | 194                  | 11                   | 31                                                     | 30                                                      | 30                                                     | 29                                                     |
| 409                   | 194                  | 32                   | 30                                                     | 29                                                      | 29                                                     | 29                                                     |
| 410                   | 194                  | 53                   | 29                                                     | 29                                                      | 29                                                     | 29                                                     |
| 411                   | 195                  | 15                   | 29                                                     | 29                                                      | 28                                                     | 30                                                     |
| 412                   | 195                  | 36                   | 28                                                     | 28                                                      | 28                                                     | 29                                                     |
| 413                   | 195                  | 58                   | 28                                                     | 29                                                      | 28                                                     | 29                                                     |
| 414                   | 196                  | 19                   | 28                                                     | 28                                                      | 28                                                     | 30                                                     |
| 415                   | 196                  | 41                   | 28                                                     | 28                                                      | 28                                                     | 29                                                     |
| 416                   | 203                  | 43                   | 29                                                     | 29                                                      | 29                                                     | 29                                                     |
| 417                   | 204                  | 4                    | 29                                                     | 29                                                      | 29                                                     | 29                                                     |
| 418                   | 204                  | 25                   | 29                                                     | 29                                                      | 29                                                     | 29                                                     |
| 419                   | 209                  | 24                   | 34                                                     | 34                                                      | 33                                                     | 31                                                     |
| 420                   | 209                  | 45                   | 34                                                     | 34                                                      | 33                                                     | 30                                                     |
| 421                   | 210                  | 6                    | 34                                                     | *                                                       | *                                                      | *                                                      |
| 422                   | 210                  | 28                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 423                   | 210                  | 49                   | 35                                                     | 35                                                      | 34                                                     | 31                                                     |
| 424                   | 211                  | 10                   | 34                                                     | 35                                                      | 34                                                     | 31                                                     |
| 425                   | *                    | *                    | 35                                                     | 35                                                      | 35                                                     | 33                                                     |
| 426                   | 212                  | 46                   | 35                                                     | 35                                                      | 35                                                     | 32                                                     |
| 427                   | 213                  | 8                    | 35                                                     | 35                                                      | 35                                                     | 32                                                     |
| 428                   | 213                  | 29                   | 35                                                     | 35                                                      | 35                                                     | 32                                                     |
| 429                   | 213                  | 51                   | 35                                                     | 35                                                      | 35                                                     | 32                                                     |
| 430                   | 214                  | 13                   | 35                                                     | 35                                                      | 36                                                     | 33                                                     |
| 431                   | 214                  | 34                   | 35                                                     | 36                                                      | 36                                                     | 34                                                     |
| 432                   | 214                  | 55                   | 36                                                     | 36                                                      | 35                                                     | 33                                                     |
| 433                   | 215                  | 16                   | 36                                                     | 35                                                      | 36                                                     | 34                                                     |
| 434                   | 215                  | 38                   | 36                                                     | *                                                       | *                                                      | *                                                      |
| 435                   | 216                  | 0                    | 36                                                     | 36                                                      | 36                                                     | 34                                                     |
| 436                   | 216                  | 21                   | 36                                                     | 36                                                      | 36                                                     | 34                                                     |
| 437                   | 216                  | 43                   | 36                                                     | 36                                                      | 36                                                     | 34                                                     |
| 438                   | 217                  | 4                    | 36                                                     | 36                                                      | 35                                                     | 34                                                     |
| 439                   | 217                  | 26                   | 35                                                     | 35                                                      | 36                                                     | 34                                                     |
| 440                   | 217                  | 47                   | 36                                                     | 35                                                      | 35                                                     | 34                                                     |
| 441                   | 218                  | 8                    | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 442                   | 218                  | 30                   | 36                                                     | 36                                                      | 36                                                     | 34                                                     |
| 443                   | 218                  | 51                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 444                   | 219                  | 13                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 445                   | *                    | *                    | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 446                   | 219                  | 56                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 447                   | 220                  | 17                   | 36                                                     | 35                                                      | 35                                                     | 35                                                     |
| 448                   | 220                  | 39                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 449                   | 221                  | 0                    | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 450                   | 221                  | 22                   | 36                                                     | 36                                                      | 36                                                     | 35                                                     |
| 451                   | 221                  | 44                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 452                   | 222                  | 1                    | 36                                                     | 36                                                      | 35                                                     | 36                                                     |
| 453                   | 222                  | 26                   | 36                                                     | 36                                                      | 35                                                     | 36                                                     |

| -01<br>SWEET<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 454                   | 222                  | 48                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 455                   | 223                  | 9                    | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 456                   | 223                  | 31                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 457                   | 223                  | 52                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 458                   | 224                  | 14                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 459                   | 224                  | 45                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 460                   | 224                  | 57                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 461                   | 225                  | 19                   | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 462                   | 225                  | 40                   | 36                                                     | 36                                                      | 36                                                     | 35                                                     |
| 463                   | 226                  | 2                    | 36                                                     | 36                                                      | 35                                                     | 35                                                     |
| 464                   | 226                  | 24                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 465                   | 226                  | 45                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 466                   | 227                  | 7                    | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 467                   | 227                  | 29                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 468                   | 227                  | 51                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 469                   | 228                  | 12                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 470                   | 228                  | 34                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 471                   | 228                  | 58                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 472                   | 229                  | 18                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 473                   | 229                  | 39                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 474                   | 230                  | 1                    | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 475                   | 230                  | 23                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 476                   | 230                  | 47                   | 35                                                     | 36                                                      | 36                                                     | 35                                                     |
| 477                   | 231                  | 6                    | 37                                                     | 36                                                      | 36                                                     | 36                                                     |
| 478                   | 231                  | 27                   | 36                                                     | 37                                                      | 36                                                     | 36                                                     |
| 479                   | 231                  | 48                   | 37                                                     | 36                                                      | 37                                                     | 36                                                     |
| 480                   | 232                  | 10                   | 36                                                     | 37                                                      | 36                                                     | 37                                                     |
| 481                   | 232                  | 31                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 482                   | 232                  | 53                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 483                   | 233                  | 14                   | 37                                                     | 36                                                      | 36                                                     | 37                                                     |
| 484                   | 233                  | 36                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 485                   | 233                  | 57                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 486                   | 234                  | 19                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 487                   | 234                  | 42                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 488                   | 235                  | 2                    | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 489                   | 235                  | 24                   | 36                                                     | 36                                                      | 36                                                     | 36                                                     |
| 490                   | 235                  | 45                   | 36                                                     | 36                                                      | 36                                                     | 37                                                     |
| 491                   | 236                  | 7                    | *                                                      | *                                                       | *                                                      | *                                                      |
| 492                   | 236                  | 50                   | 36                                                     | 36                                                      | 37                                                     | 36                                                     |
| 493                   | 236                  | 12                   | 37                                                     | 37                                                      | 37                                                     | 36                                                     |
| 494                   | 237                  | 33                   | 37                                                     | 37                                                      | 36                                                     | 36                                                     |
| 495                   | 237                  | 55                   | 37                                                     | 37                                                      | 36                                                     | 36                                                     |
| 496                   | 237                  | 17                   | 37                                                     | 37                                                      | 37                                                     | 36                                                     |
| 497                   | 238                  | 38                   | 37                                                     | 37                                                      | 37                                                     | 36                                                     |
| 498                   | 238                  | 0                    | 37                                                     | 37                                                      | 36                                                     | 36                                                     |
| 499                   | 239                  | 22                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 500                   | 239                  | 43                   | 37                                                     | 36                                                      | 36                                                     | 36                                                     |
| 501                   | 239                  | 5                    | 37                                                     | 37                                                      | 37                                                     | 36                                                     |
| 502                   | 240                  | 27                   | 37                                                     | 37                                                      | 37                                                     | 37                                                     |
| 503                   | 240                  | 50                   | 37                                                     | 37                                                      | 37                                                     | 37                                                     |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 504                   | 240                  | 49                   | +                                                      | +                                                       | +                                                      | +                                                      |
| 505                   | 241                  | 10                   | 36                                                     | 36                                                      | 37                                                     | 36                                                     |
| 506                   | 241                  | 32                   | 37                                                     | 37                                                      | 37                                                     | 37                                                     |
| 507                   | 241                  | 54                   | 36                                                     | 37                                                      | 36                                                     | 36                                                     |
| 508                   | 242                  | 15                   | +                                                      | +                                                       | +                                                      | +                                                      |
| 509                   | 242                  | 37                   | 36                                                     | 36                                                      | 37                                                     | 36                                                     |
| 510                   | 242                  | 59                   | 37                                                     | 37                                                      | 37                                                     | 37                                                     |
| 511                   | 243                  | 20                   | 38                                                     | 37                                                      | 37                                                     | 37                                                     |
| 512                   | 243                  | 42                   | +                                                      | +                                                       | +                                                      | +                                                      |
| 513                   | 244                  | 3                    | 38                                                     | 38                                                      | 37                                                     | 37                                                     |
| 514                   | 244                  | 25                   | 38                                                     | 37                                                      | 37                                                     | 37                                                     |
| 515                   | 244                  | 46                   | 38                                                     | 37                                                      | 38                                                     | 38                                                     |
| 516                   | 245                  | 8                    | 38                                                     | +                                                       | +                                                      | +                                                      |
| 517                   | 245                  | 29                   | 38                                                     | 37                                                      | 38                                                     | 37                                                     |
| 518                   | 245                  | 51                   | 38                                                     | 37                                                      | 37                                                     | 37                                                     |
| 519                   | 246                  | 12                   | 37                                                     | 38                                                      | 37                                                     | 37                                                     |
| 520                   | 246                  | 34                   | +                                                      | +                                                       | +                                                      | +                                                      |
| 521                   | 246                  | 55                   | 38                                                     | 38                                                      | 37                                                     | 37                                                     |
| 522                   | 247                  | 17                   | 38                                                     | 38                                                      | 37                                                     | 37                                                     |
| 523                   | 247                  | 39                   | 38                                                     | 38                                                      | 36                                                     | 37                                                     |
| 524                   | 248                  | 0                    | 38                                                     | 38                                                      | 38                                                     | 37                                                     |
| 525                   | 248                  | 22                   | 39                                                     | 38                                                      | 38                                                     | 38                                                     |
| 526                   | 248                  | 43                   | 39                                                     | 38                                                      | 38                                                     | 38                                                     |
| 527                   | 247                  | 5                    | 38                                                     | 38                                                      | 38                                                     | 38                                                     |
| 528                   | +                    | +                    | 38                                                     | 38                                                      | 36                                                     | 39                                                     |
| 529                   | +                    | +                    | 38                                                     | 38                                                      | 38                                                     | 38                                                     |
| 530                   | 250                  | 9                    | 40                                                     | 42                                                      | 38                                                     | 38                                                     |
| 531                   | 250                  | 31                   | +                                                      | 41                                                      | 39                                                     | 38                                                     |
| 532                   | 250                  | 52                   | 41                                                     | 41                                                      | 39                                                     | 38                                                     |
| 533                   | 251                  | 14                   | 42                                                     | 44                                                      | 39                                                     | 38                                                     |
| 534                   | 251                  | 35                   | 43                                                     | 43                                                      | 40                                                     | 38                                                     |
| 535                   | +                    | +                    | 50                                                     | 48                                                      | 42                                                     | 38                                                     |
| 536                   | 252                  | 19                   | 45                                                     | 45                                                      | 42                                                     | 38                                                     |
| 537                   | 252                  | 40                   | 46                                                     | 46                                                      | 42                                                     | 38                                                     |
| 538                   | 253                  | 2                    | 44                                                     | 46                                                      | 44                                                     | 38                                                     |
| 539                   | 253                  | 20                   | 40                                                     | 44                                                      | 42                                                     | 38                                                     |
| 540                   | 254                  | 7                    | 39                                                     | 40                                                      | 36                                                     | 39                                                     |
| 541                   | 254                  | 29                   | 43                                                     | 42                                                      | 40                                                     | 40                                                     |
| 542                   | 254                  | 51                   | 45                                                     | 45                                                      | 42                                                     | 40                                                     |
| 543                   | 254                  | 12                   | 45                                                     | 45                                                      | 42                                                     | 40                                                     |
| 544                   | 255                  | 12                   | 44                                                     | 44                                                      | 41                                                     | 39                                                     |



MM-53C S/N 68-18354  
DESERT TEST  
21 JUNE 67  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLY<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLY<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LNR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAM<br>CHAM)<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 308                   |                      |                      |                                                                |                                                             |                                                               |                                                               |                                                          |                                                           |                                                           |                                                          |                                                           |                                                              |
| 309                   | 141                  | 29                   | 44                                                             | 46                                                          | 53                                                            | 44                                                            | *                                                        | 36                                                        | 36                                                        | 70                                                       | 76                                                        | 64                                                           |
| 310                   | 141                  |                      | 44                                                             | 45                                                          | 51                                                            | 42                                                            | 37                                                       | 37                                                        | 37                                                        | 72                                                       | *                                                         | *                                                            |
| 311                   | 142                  | 12                   | 43                                                             | 45                                                          | 50                                                            | 42                                                            | 40                                                       | 41                                                        | 37                                                        | 73                                                       | 78                                                        | 69                                                           |
| 312                   | 142                  | 33                   | 42                                                             | 44                                                          | 49                                                            | 41                                                            | 42                                                       | 44                                                        | 37                                                        | 73                                                       | 79                                                        | 71                                                           |
| 313                   | 142                  | 55                   | 43                                                             | 44                                                          | 49                                                            | 42                                                            | 42                                                       | 48                                                        | 37                                                        | 74                                                       | 80                                                        | 72                                                           |
| 314                   | 143                  | 16                   | 44                                                             | 44                                                          | 49                                                            | 42                                                            | 44                                                       | 53                                                        | 37                                                        | 74                                                       | 80                                                        | 73                                                           |
| 315                   | 143                  | 38                   | 44                                                             | 44                                                          | 50                                                            | 42                                                            | 46                                                       | 55                                                        | 36                                                        | 75                                                       | 80                                                        | 74                                                           |
| 316                   | 143                  | 59                   | 43                                                             | 44                                                          | 49                                                            | 42                                                            | 40                                                       | 50                                                        | 37                                                        | 75                                                       | 80                                                        | 75                                                           |
| 317                   | 144                  | 21                   | 44                                                             | 43                                                          | 49                                                            | 41                                                            | 51                                                       | 61                                                        | 38                                                        | 75                                                       | 81                                                        | 76                                                           |
| 318                   | 144                  | 42                   | 44                                                             | 43                                                          | 50                                                            | 42                                                            | 52                                                       | 63                                                        | 39                                                        | 76                                                       | 81                                                        | 77                                                           |
| 319                   | 145                  | 3                    | 44                                                             | 44                                                          | 50                                                            | 42                                                            | 54                                                       | 65                                                        | 40                                                        | 77                                                       | 81                                                        | 78                                                           |
| 320                   | 145                  | *                    | 44                                                             | 45                                                          | 51                                                            | 43                                                            | 56                                                       | 67                                                        | 41                                                        | 77                                                       | 82                                                        | 78                                                           |
| 321                   | 145                  | 46                   | 44                                                             | 45                                                          | 51                                                            | 44                                                            | 57                                                       | 68                                                        | 41                                                        | 77                                                       | 82                                                        | 78                                                           |
| 322                   | 146                  | 7                    | 45                                                             | 45                                                          | 51                                                            | *                                                             | *                                                        | *                                                         | *                                                         | *                                                        | *                                                         | *                                                            |
| 323                   | 146                  | 28                   | 45                                                             | 44                                                          | 52                                                            | 43                                                            | 60                                                       | 72                                                        | 45                                                        | 78                                                       | 83                                                        | 79                                                           |
| 324                   | 147                  | 11                   | 45                                                             | 45                                                          | 52                                                            | 43                                                            | 62                                                       | 73                                                        | 45                                                        | 79                                                       | 84                                                        | 80                                                           |
| 325                   | 147                  | 32                   | 43                                                             | 45                                                          | 50                                                            | 42                                                            | 64                                                       | 75                                                        | 47                                                        | 80                                                       | 85                                                        | 81                                                           |
| 326                   | 147                  | 53                   | 44                                                             | 44                                                          | 51                                                            | 43                                                            | 65                                                       | 77                                                        | 48                                                        | 80                                                       | 85                                                        | 81                                                           |
| 327                   | 147                  | 15                   | 44                                                             | 45                                                          | 52                                                            | 44                                                            | 66                                                       | 77                                                        | 48                                                        | 80                                                       | 86                                                        | 82                                                           |
| 328                   | 148                  | 36                   | 44                                                             | 44                                                          | 52                                                            | 44                                                            | 66                                                       | 77                                                        | 49                                                        | 80                                                       | 86                                                        | 82                                                           |
| 329                   | 148                  | 57                   | 44                                                             | 45                                                          | 53                                                            | 45                                                            | 67                                                       | 77                                                        | 49                                                        | 81                                                       | 85                                                        | 82                                                           |
| 330                   | 148                  | 19                   | 44                                                             | 43                                                          | 52                                                            | 43                                                            | 67                                                       | 78                                                        | 49                                                        | 80                                                       | 85                                                        | 80                                                           |
| 331                   | 149                  | 40                   | 43                                                             | 42                                                          | 51                                                            | 42                                                            | 67                                                       | 78                                                        | 49                                                        | 80                                                       | 85                                                        | 80                                                           |
| 332                   | 149                  | 1                    | 42                                                             | 41                                                          | 49                                                            | 41                                                            | 68                                                       | 78                                                        | 49                                                        | 79                                                       | 83                                                        | 79                                                           |
| 333                   | 150                  | *                    | 41                                                             | 40                                                          | 49                                                            | 41                                                            | 68                                                       | 78                                                        | 49                                                        | 79                                                       | 83                                                        | 78                                                           |
| 334                   | 150                  | 44                   | 41                                                             | 40                                                          | 49                                                            | 41                                                            | 67                                                       | 78                                                        | 49                                                        | 77                                                       | 82                                                        | 77                                                           |
| 335                   | 151                  | 5                    | 41                                                             | 40                                                          | 48                                                            | 41                                                            | 67                                                       | 78                                                        | 49                                                        | 78                                                       | 82                                                        | 76                                                           |
| 336                   | 151                  | 27                   | 41                                                             | 40                                                          | 46                                                            | 41                                                            | *                                                        | *                                                         | *                                                         | *                                                        | *                                                         | *                                                            |
| 337                   | 151                  | 48                   | 41                                                             | 40                                                          | 46                                                            | 39                                                            | 66                                                       | 77                                                        | 48                                                        | 76                                                       | 81                                                        | *                                                            |
| 338                   | 151                  | 9                    | 40                                                             | 39                                                          | 45                                                            | 39                                                            | 66                                                       | 76                                                        | 46                                                        | 76                                                       | 80                                                        | 75                                                           |
| 339                   | 152                  | 31                   | 39                                                             | 39                                                          | 44                                                            | 38                                                            | 66                                                       | 76                                                        | 46                                                        | 76                                                       | 79                                                        | 74                                                           |
| 340                   | 152                  | 52                   | 39                                                             | 38                                                          | 44                                                            | 37                                                            | 66                                                       | 76                                                        | 45                                                        | 75                                                       | 79                                                        | 73                                                           |
| 341                   | 152                  | 13                   | 39                                                             | 38                                                          | 43                                                            | 37                                                            | 65                                                       | 75                                                        | 45                                                        | 75                                                       | 78                                                        | 72                                                           |
| 342                   | 153                  | 35                   | 39                                                             | 38                                                          | 42                                                            | 36                                                            | 65                                                       | 75                                                        | 44                                                        | 75                                                       | 78                                                        | 72                                                           |
| 343                   | 153                  | 56                   | 39                                                             | 38                                                          | 42                                                            | 36                                                            | 65                                                       | 75                                                        | 43                                                        | 75                                                       | 78                                                        | 72                                                           |
| 344                   | 154                  | 17                   | 38                                                             | 38                                                          | 41                                                            | 36                                                            | 65                                                       | 75                                                        | 43                                                        | 75                                                       | 78                                                        | 72                                                           |
| 345                   | 154                  | 39                   | 38                                                             | 36                                                          | 42                                                            | 36                                                            | 65                                                       | 75                                                        | 43                                                        | 75                                                       | 78                                                        | 72                                                           |
| 346                   | 154                  | 0                    | 36                                                             | 36                                                          | 42                                                            | 36                                                            | 64                                                       | 74                                                        | 42                                                        | 75                                                       | 78                                                        | 72                                                           |
| 347                   | 155                  | 21                   | 36                                                             | 36                                                          | 42                                                            | 35                                                            | 64                                                       | 74                                                        | 42                                                        | 74                                                       | 77                                                        | 72                                                           |
| 348                   | 155                  | 41                   | 36                                                             | 36                                                          | 42                                                            | 35                                                            | 63                                                       | 73                                                        | 41                                                        | 74                                                       | 76                                                        | 72                                                           |
| 349                   | 156                  | 4                    | 36                                                             | 36                                                          | 42                                                            | 35                                                            | 62                                                       | 73                                                        | 41                                                        | 74                                                       | 76                                                        | 71                                                           |
| 350                   | 156                  | 25                   | 35                                                             | 36                                                          | 41                                                            | 35                                                            | 62                                                       | 72                                                        | 40                                                        | 73                                                       | 76                                                        | 71                                                           |
| 351                   | 156                  | 47                   | 35                                                             | 35                                                          | 41                                                            | 35                                                            | 62                                                       | 72                                                        | 39                                                        | 72                                                       | 75                                                        | 71                                                           |
| 352                   | 157                  | 8                    | 34                                                             | 35                                                          | 42                                                            | 35                                                            | 61                                                       | 71                                                        | 38                                                        | 72                                                       | 75                                                        | 71                                                           |
| 353                   | 157                  |                      | 34                                                             | 35                                                          | 42                                                            | 35                                                            | 6                                                        | 71                                                        | 38                                                        | 72                                                       | 75                                                        | 71                                                           |

| -01<br>CHREP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLY<br>WINDSH<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLY<br>WINDSH<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFTS 1<br>(COLL.<br>/TAW<br>CHAN)<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 354                   | 157                  | 29                   | 34                                                   | 35                                                | 42                                                            | 35                                                            | 61                                                       | 71                                                        | 38                                                        | 72                                                       | 75                                                        | 70                                                           |
| 355                   | *                    | *                    | 34                                                   | 35                                                | 43                                                            | 35                                                            | 61                                                       | 71                                                        | 38                                                        | 72                                                       | 75                                                        | 70                                                           |
| 356                   | 161                  | 19                   | *                                                    | *                                                 | *                                                             | *                                                             | *                                                        | *                                                         | *                                                         | 70                                                       | 73                                                        | 68                                                           |
| 357                   | 165                  | 4                    | 27                                                   | 25                                                | 38                                                            | 26                                                            | 55                                                       | 66                                                        | *                                                         | *                                                        | *                                                         | *                                                            |
| 358                   | 166                  | 43                   | 25                                                   | 26                                                | 39                                                            | 25                                                            | 55                                                       | 65                                                        | 32                                                        | 67                                                       | *                                                         | *                                                            |
| 359                   | 168                  | 20                   | 24                                                   | 24                                                | 27                                                            | 24                                                            | 54                                                       | 65                                                        | 32                                                        | 66                                                       | 70                                                        | 63                                                           |
| 360                   | 171                  | 45                   | 23                                                   | 23                                                | 27                                                            | 24                                                            | 54                                                       | 65                                                        | 31                                                        | 66                                                       | 69                                                        | 63                                                           |
| 361                   | 172                  | 6                    | 22                                                   | 23                                                | 27                                                            | 24                                                            | 55                                                       | 65                                                        | 32                                                        | 66                                                       | 69                                                        | 64                                                           |
| 362                   | 172                  | 28                   | 22                                                   | 23                                                | 26                                                            | 24                                                            | 54                                                       | 65                                                        | 31                                                        | 66                                                       | 69                                                        | 64                                                           |
| 363                   | 172                  | 28                   | 22                                                   | 23                                                | 26                                                            | 24                                                            | 54                                                       | 65                                                        | 32                                                        | 66                                                       | 69                                                        | 64                                                           |
| 364                   | 172                  | 49                   | 22                                                   | 24                                                | 26                                                            | 24                                                            | 55                                                       | 66                                                        | 32                                                        | 66                                                       | 68                                                        | 64                                                           |
| 365                   | 173                  | 10                   | 23                                                   | 24                                                | 26                                                            | 23                                                            | 54                                                       | 65                                                        | 32                                                        | 66                                                       | 68                                                        | 64                                                           |
| 366                   | 173                  | 31                   | 22                                                   | 23                                                | 26                                                            | 23                                                            | 54                                                       | 65                                                        | 33                                                        | 66                                                       | 69                                                        | 65                                                           |
| 367                   | 173                  | 52                   | 22                                                   | 24                                                | 25                                                            | 24                                                            | 54                                                       | 65                                                        | 33                                                        | 66                                                       | 69                                                        | 65                                                           |
| 368                   | 174                  | 13                   | 22                                                   | 24                                                | 25                                                            | 24                                                            | 54                                                       | 65                                                        | 34                                                        | 66                                                       | 69                                                        | 64                                                           |
| 369                   | 174                  | 34                   | 22                                                   | 24                                                | 25                                                            | 24                                                            | 54                                                       | 65                                                        | 33                                                        | 66                                                       | 69                                                        | 64                                                           |
| 370                   | 174                  | 55                   | 23                                                   | 24                                                | 25                                                            | 24                                                            | 55                                                       | 66                                                        | 33                                                        | 66                                                       | 69                                                        | 64                                                           |
| 371                   | 175                  | 16                   | 23                                                   | 24                                                | 25                                                            | 24                                                            | 55                                                       | 66                                                        | 34                                                        | 66                                                       | 69                                                        | 64                                                           |
| 372                   | 175                  | 37                   | 23                                                   | 24                                                | 25                                                            | 24                                                            | 55                                                       | 66                                                        | 34                                                        | 66                                                       | 69                                                        | 64                                                           |
| 373                   | 175                  | 58                   | 23                                                   | 25                                                | 25                                                            | 24                                                            | 55                                                       | 66                                                        | 34                                                        | 66                                                       | 69                                                        | 64                                                           |
| 374                   | 176                  | 19                   | 23                                                   | 25                                                | 25                                                            | 24                                                            | 55                                                       | 66                                                        | 35                                                        | 66                                                       | 69                                                        | 65                                                           |
| 375                   | 176                  | 39                   | 23                                                   | 25                                                | 25                                                            | 24                                                            | 55                                                       | 66                                                        | 35                                                        | 66                                                       | 69                                                        | 65                                                           |
| 376                   | 176                  | 2                    | 24                                                   | 25                                                | 25                                                            | 25                                                            | 55                                                       | 66                                                        | 36                                                        | 66                                                       | 69                                                        | 65                                                           |
| 377                   | 177                  | 23                   | 24                                                   | 25                                                | 25                                                            | 25                                                            | 55                                                       | 67                                                        | 37                                                        | 66                                                       | 70                                                        | 66                                                           |
| 378                   | 177                  | 44                   | 24                                                   | 25                                                | 25                                                            | 25                                                            | 55                                                       | 67                                                        | 37                                                        | 66                                                       | 70                                                        | 66                                                           |
| 379                   | 177                  | 5                    | 24                                                   | 26                                                | 26                                                            | 25                                                            | 55                                                       | 68                                                        | 37                                                        | 66                                                       | 70                                                        | 66                                                           |
| 380                   | 178                  | 26                   | 25                                                   | 26                                                | 27                                                            | 26                                                            | 56                                                       | 68                                                        | 37                                                        | 67                                                       | 71                                                        | 67                                                           |
| 381                   | 178                  | 47                   | 25                                                   | 27                                                | 27                                                            | 27                                                            | 56                                                       | 69                                                        | 38                                                        | 67                                                       | 71                                                        | 67                                                           |
| 382                   | 179                  | 8                    | 25                                                   | 27                                                | 27                                                            | 27                                                            | 56                                                       | 69                                                        | 39                                                        | 68                                                       | 71                                                        | 68                                                           |
| 383                   | 179                  | 29                   | 25                                                   | 27                                                | 28                                                            | 27                                                            | 56                                                       | 69                                                        | 39                                                        | 68                                                       | 71                                                        | 68                                                           |
| 384                   | 179                  | 51                   | 25                                                   | 27                                                | 27                                                            | 27                                                            | 56                                                       | 69                                                        | 39                                                        | 68                                                       | 71                                                        | 68                                                           |
| 385                   | 180                  | 12                   | 25                                                   | 27                                                | 27                                                            | 26                                                            | 57                                                       | 68                                                        | 38                                                        | 67                                                       | 71                                                        | 66                                                           |
| 386                   | 180                  | 34                   | 25                                                   | 27                                                | 27                                                            | 26                                                            | 57                                                       | 68                                                        | 38                                                        | 67                                                       | 71                                                        | 66                                                           |
| 387                   | 180                  | 55                   | 27                                                   | 27                                                | 27                                                            | 26                                                            | 57                                                       | 68                                                        | 39                                                        | 67                                                       | 71                                                        | 66                                                           |
| 388                   | 181                  | 16                   | 27                                                   | 27                                                | 28                                                            | 27                                                            | 58                                                       | 68                                                        | 39                                                        | 67                                                       | 71                                                        | 66                                                           |
| 389                   | 181                  | 38                   | 27                                                   | 28                                                | 29                                                            | 27                                                            | 58                                                       | 69                                                        | 40                                                        | 68                                                       | 72                                                        | 66                                                           |
| 390                   | 181                  | 59                   | 28                                                   | 29                                                | 30                                                            | 29                                                            | 59                                                       | 69                                                        | 40                                                        | 68                                                       | 72                                                        | 66                                                           |
| 391                   | 182                  | 21                   | 28                                                   | 30                                                | 30                                                            | 30                                                            | 60                                                       | 70                                                        | 40                                                        | 69                                                       | 72                                                        | 67                                                           |
| 392                   | 182                  | 42                   | 28                                                   | 29                                                | 31                                                            | 30                                                            | 60                                                       | 70                                                        | 40                                                        | 69                                                       | 73                                                        | 68                                                           |
| 393                   | 183                  | 6                    | 29                                                   | 30                                                | 32                                                            | 30                                                            | 59                                                       | 70                                                        | 41                                                        | 70                                                       | 73                                                        | 69                                                           |
| 394                   | 183                  | 25                   | 29                                                   | 30                                                | 32                                                            | 31                                                            | 60                                                       | 71                                                        | 41                                                        | 71                                                       | 74                                                        | 69                                                           |
| 395                   | 183                  | 47                   | 29                                                   | 31                                                | 32                                                            | 31                                                            | 61                                                       | 72                                                        | 42                                                        | 72                                                       | 75                                                        | 71                                                           |
| 396                   | 184                  | 8                    | 29                                                   | 31                                                | 33                                                            | 31                                                            | 62                                                       | 72                                                        | 42                                                        | 72                                                       | 75                                                        | 70                                                           |
| 397                   | 184                  | 30                   | 30                                                   | 31                                                | 33                                                            | 31                                                            | 62                                                       | 73                                                        | 44                                                        | 73                                                       | 75                                                        | 71                                                           |
| 398                   | 184                  | 50                   | 30                                                   | 31                                                | 33                                                            | 31                                                            | 62                                                       | 73                                                        | 44                                                        | 73                                                       | 75                                                        | 71                                                           |
| 399                   | 184                  | 30                   | 32                                                   | 33                                                | 35                                                            | 34                                                            | 71                                                       | 81                                                        | 50                                                        | 80                                                       | 83                                                        | 81                                                           |
| 400                   | 184                  | 0                    | 33                                                   | 33                                                | 36                                                            | 34                                                            | 71                                                       | 81                                                        | 51                                                        | 81                                                       | 84                                                        | 82                                                           |
| 401                   | 184                  | 21                   | 32                                                   | 33                                                | 36                                                            | 33                                                            | 71                                                       | 82                                                        | 52                                                        | 80                                                       | 85                                                        | 83                                                           |
| 402                   | 184                  | 43                   | 32                                                   | 33                                                | 36                                                            | 33                                                            | 72                                                       | 83                                                        | *                                                         | *                                                        | *                                                         | *                                                            |
| 403                   | 184                  | 4                    | *                                                    | *                                                 | *                                                             | *                                                             | 73                                                       | 83                                                        | *                                                         | *                                                        | *                                                         | *                                                            |
| 404                   | 184                  | 4                    | *                                                    | *                                                 | *                                                             | 32                                                            | 73                                                       | 83                                                        | 54                                                        | 82                                                       | 86                                                        | 83                                                           |

| 4-01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WINDSHD<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WINDSHD<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSHD<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSHD<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAN<br>CHAM)<br>TEMP<br>DEG.C |
|------------------------|----------------------|----------------------|-----------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------|
| 404                    | 192                  | 47                   | 31                                                              | 32                                                           | 35                                                             | 33                                                             | 72                                                       | 83                                                        | 53                                                        | 81                                                       | 86                                                        | 82                                                                   |
| 405                    | 192                  | 50                   | 31                                                              | 31                                                           | 34                                                             | 32                                                             | 72                                                       | 82                                                        | 53                                                        | 81                                                       | 85                                                        | 81                                                                   |
| 406                    | 193                  | 50                   | 31                                                              | 32                                                           | 34                                                             | 32                                                             | 71                                                       | 81                                                        | 52                                                        | 81                                                       | 83                                                        | 80                                                                   |
| 407                    | 193                  | 51                   | 31                                                              | 31                                                           | 34                                                             | 31                                                             | 71                                                       | 81                                                        | 51                                                        | 79                                                       | 82                                                        | 78                                                                   |
| 408                    | 194                  | 13                   | 31                                                              | 31                                                           | 34                                                             | 32                                                             | 70                                                       | 80                                                        | 50                                                        | 79                                                       | 81                                                        | 77                                                                   |
| 409                    | 194                  | 31                   | 31                                                              | 31                                                           | 33                                                             | 31                                                             | 68                                                       | 79                                                        | 48                                                        | 78                                                       | 81                                                        | 75                                                                   |
| 410                    | 194                  | 56                   | 31                                                              | 30                                                           | 34                                                             | 31                                                             | 68                                                       | 78                                                        | 47                                                        | 77                                                       | 80                                                        | 75                                                                   |
| 411                    | 195                  | 17                   | 31                                                              | 31                                                           | 33                                                             | 31                                                             | 67                                                       | 78                                                        | 47                                                        | 76                                                       | 80                                                        | 75                                                                   |
| 412                    | 195                  | 39                   | 31                                                              | 30                                                           | 33                                                             | 31                                                             | 66                                                       | 76                                                        | 46                                                        | 76                                                       | 80                                                        | 74                                                                   |
| 413                    | 196                  | 8                    | 29                                                              | 30                                                           | 33                                                             | 31                                                             | 66                                                       | 76                                                        | 45                                                        | 76                                                       | 79                                                        | 74                                                                   |
| 414                    | 196                  | 22                   | 29                                                              | 30                                                           | 33                                                             | 31                                                             | 65                                                       | 76                                                        | 45                                                        | 75                                                       | 78                                                        | 74                                                                   |
| 415                    | 196                  | 43                   | 30                                                              | 29                                                           | 33                                                             | 30                                                             | 65                                                       | 75                                                        | 44                                                        | 74                                                       | 78                                                        | 74                                                                   |
| 416                    | 196                  | 45                   | 29                                                              | 29                                                           | 31                                                             | 29                                                             | 64                                                       | 74                                                        | 43                                                        | 74                                                       | 77                                                        | 69                                                                   |
| 417                    | 204                  | 6                    | 29                                                              | 31                                                           | 31                                                             | 30                                                             | 64                                                       | 71                                                        | 41                                                        | 71                                                       | 74                                                        | 69                                                                   |
| 418                    | 204                  | 27                   | 29                                                              | 31                                                           | 31                                                             | 29                                                             | 64                                                       | 71                                                        | 41                                                        | 71                                                       | 74                                                        | 69                                                                   |
| 419                    | 205                  | 27                   | 31                                                              | 31                                                           | 32                                                             | 31                                                             | 64                                                       | 71                                                        | 41                                                        | 71                                                       | 74                                                        | 69                                                                   |
| 420                    | 205                  | 40                   | 31                                                              | 31                                                           | 32                                                             | 31                                                             | 64                                                       | 71                                                        | 41                                                        | 71                                                       | 74                                                        | 69                                                                   |
| 421                    | 205                  | 40                   | 31                                                              | 31                                                           | 32                                                             | 31                                                             | 64                                                       | 71                                                        | 41                                                        | 71                                                       | 74                                                        | 69                                                                   |
| 422                    | 210                  | 30                   | 31                                                              | 31                                                           | 32                                                             | 32                                                             | 64                                                       | 75                                                        | 48                                                        | 74                                                       | 79                                                        | 73                                                                   |
| 423                    | 210                  | 51                   | 32                                                              | 32                                                           | 32                                                             | 32                                                             | 64                                                       | 75                                                        | 48                                                        | 74                                                       | 79                                                        | 73                                                                   |
| 424                    | 211                  | 12                   | 32                                                              | 32                                                           | 33                                                             | 32                                                             | 65                                                       | 75                                                        | 48                                                        | 74                                                       | 78                                                        | 74                                                                   |
| 425                    | 212                  | 28                   | 32                                                              | 32                                                           | 33                                                             | 32                                                             | 65                                                       | 75                                                        | 48                                                        | 74                                                       | 78                                                        | 74                                                                   |
| 426                    | 212                  | 49                   | 32                                                              | 32                                                           | 33                                                             | 32                                                             | 65                                                       | 76                                                        | 49                                                        | 76                                                       | 79                                                        | 75                                                                   |
| 427                    | 213                  | 10                   | 32                                                              | 32                                                           | 33                                                             | 32                                                             | 65                                                       | 76                                                        | 49                                                        | 76                                                       | 79                                                        | 75                                                                   |
| 428                    | 213                  | 32                   | 32                                                              | 32                                                           | 33                                                             | 32                                                             | 65                                                       | 76                                                        | 48                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 429                    | 213                  | 53                   | 33                                                              | 33                                                           | 34                                                             | 33                                                             | 66                                                       | 76                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 430                    | 214                  | 15                   | 33                                                              | 33                                                           | 34                                                             | 33                                                             | 66                                                       | 76                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 431                    | 214                  | 36                   | 33                                                              | 33                                                           | 34                                                             | 33                                                             | 66                                                       | 76                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 432                    | 214                  | 56                   | 34                                                              | 34                                                           | 34                                                             | 33                                                             | 67                                                       | 77                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 433                    | 215                  | 19                   | 34                                                              | 34                                                           | 34                                                             | 33                                                             | 66                                                       | 76                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 434                    | 215                  | 49                   | 34                                                              | 34                                                           | 34                                                             | 33                                                             | 66                                                       | 76                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 435                    | 216                  | 2                    | 34                                                              | 34                                                           | 34                                                             | 33                                                             | 67                                                       | 77                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 436                    | 216                  | 24                   | 34                                                              | 34                                                           | 34                                                             | 34                                                             | 67                                                       | 77                                                        | 49                                                        | 75                                                       | 79                                                        | 75                                                                   |
| 437                    | 216                  | 45                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 51                                                        | 77                                                       | 80                                                        | 76                                                                   |
| 438                    | 217                  | 6                    | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 51                                                        | 77                                                       | 80                                                        | 76                                                                   |
| 439                    | 217                  | 28                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 67                                                       | 78                                                        | 50                                                        | 76                                                       | 80                                                        | 75                                                                   |
| 440                    | 217                  | 50                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 67                                                       | 78                                                        | 50                                                        | 76                                                       | 80                                                        | 76                                                                   |
| 441                    | 218                  | 11                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 67                                                       | 78                                                        | 51                                                        | 77                                                       | 81                                                        | 77                                                                   |
| 442                    | 218                  | 32                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 67                                                       | 79                                                        | 51                                                        | 77                                                       | 81                                                        | 77                                                                   |
| 443                    | 218                  | 52                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 51                                                        | 77                                                       | 81                                                        | 77                                                                   |
| 444                    | 219                  | 15                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 51                                                        | 77                                                       | 81                                                        | 77                                                                   |
| 445                    | 219                  | 35                   | 34                                                              | 35                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 51                                                        | 77                                                       | 81                                                        | 76                                                                   |
| 446                    | 219                  | 58                   | 34                                                              | 35                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 51                                                        | 77                                                       | 81                                                        | 76                                                                   |
| 447                    | 220                  | 20                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 68                                                       | 78                                                        | 51                                                        | 77                                                       | 81                                                        | 76                                                                   |
| 448                    | 220                  | 41                   | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 68                                                       | 78                                                        | 51                                                        | 77                                                       | 81                                                        | 76                                                                   |
| 449                    | 221                  | 3                    | 34                                                              | 34                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 50                                                        | 77                                                       | 81                                                        | 76                                                                   |
| 450                    | 221                  | 24                   | 34                                                              | 35                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 50                                                        | 77                                                       | 81                                                        | 76                                                                   |
| 451                    | 221                  | 46                   | 34                                                              | 35                                                           | 35                                                             | 34                                                             | 69                                                       | 79                                                        | 51                                                        | 77                                                       | 81                                                        | 76                                                                   |
| 452                    | 222                  | 1                    | 35                                                              | 35                                                           | 35                                                             | 34                                                             | 68                                                       | 79                                                        | 51                                                        | 77                                                       | 81                                                        | 77                                                                   |
| 453                    | 222                  | 29                   | 35                                                              | 35                                                           | 36                                                             | 35                                                             | 68                                                       | 80                                                        | 51                                                        | 78                                                       | 82                                                        | 77                                                                   |

| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WHOSHO<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WHOSHO<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WHOSHO<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WHOSHO<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFI<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFI<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>ICOLL.<br>/YAM<br>CHAM<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|
| 454                   | 222                  | 50                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 77                                                          |
| 455                   | 223                  | 11                   | 34                                                             | 34                                                          | 35                                                            | 34                                                            | 68                                                       | 80                                                        | 51                                                        | 78                                                       | 82                                                        | 76                                                          |
| 456                   | 223                  | 33                   | 35                                                             | 34                                                          | 36                                                            | 34                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 77                                                          |
| 457                   | 223                  | 55                   | 35                                                             | 35                                                          | 35                                                            | 35                                                            | 68                                                       | 78                                                        | 51                                                        | 78                                                       | 81                                                        | 77                                                          |
| 458                   | 224                  | 38                   | 35                                                             | 35                                                          | 35                                                            | 35                                                            | 68                                                       | 78                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 459                   | 225                  | 0                    | 35                                                             | 35                                                          | 35                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 460                   | 225                  | 21                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 461                   | 225                  | 43                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 462                   | 226                  | 4                    | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 463                   | 226                  | 26                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 464                   | 226                  | 48                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 465                   | 226                  | 10                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 466                   | 227                  | 31                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 467                   | 227                  | 53                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 468                   | 227                  | 15                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 469                   | 228                  | 36                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 470                   | 228                  | 58                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 471                   | 228                  | 20                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 472                   | 229                  | 42                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 473                   | 230                  | 3                    | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 474                   | 230                  | 47                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 475                   | 231                  | 8                    | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 476                   | 231                  | 30                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 477                   | 231                  | 51                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 478                   | 232                  | 12                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 479                   | 232                  | 43                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 480                   | 232                  | 55                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 481                   | 232                  | 17                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 482                   | 233                  | 38                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 483                   | 233                  | 0                    | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 484                   | 234                  | 43                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 485                   | 234                  | 57                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 486                   | 234                  | 19                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 487                   | 235                  | 41                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 488                   | 235                  | 26                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 489                   | 235                  | 48                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 490                   | 236                  | 9                    | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 491                   | 236                  | 31                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 492                   | 236                  | 53                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 493                   | 237                  | 14                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 494                   | 237                  | 36                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 495                   | 237                  | 57                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 496                   | 237                  | 19                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 497                   | 238                  | 41                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 498                   | 238                  | 24                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 499                   | 239                  | 46                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 500                   | 239                  | 8                    | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 501                   | 240                  | 29                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 502                   | 240                  | 51                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |
| 503                   | 240                  | 80                   | 35                                                             | 35                                                          | 36                                                            | 35                                                            | 68                                                       | 79                                                        | 51                                                        | 78                                                       | 81                                                        | 78                                                          |

| 4-81<br>SWEET<br>COUNT | 4-82<br>TIME<br>MIN. | 4-83<br>TIME<br>SEC. | 4-85<br>CO-PLT<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-86<br>CO-PLT<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-87<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LHR C<br>DEG.C | 4-88<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-89<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-90<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAN<br>CHAM)<br>DEG.C |
|------------------------|----------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 544                    | 240                  | 51                   | 36                                                             | 36                                                          | 37                                                            | 35                                                            | 69                                                       | 79                                                        | 51                                                 | 79                                                       | 82                                                        | 79                                                           |
| 505                    | 241                  | 13                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 69                                                       | 79                                                        | 51                                                 | 79                                                       | 82                                                        | 79                                                           |
| 503                    | 241                  | 35                   | 36                                                             | 36                                                          | 36                                                            | 36                                                            | 69                                                       | 79                                                        | 51                                                 | 79                                                       | 82                                                        | 79                                                           |
| 507                    | 241                  | 56                   | 36                                                             | 36                                                          | 37                                                            | 35                                                            | 69                                                       | 80                                                        | 51                                                 | 79                                                       | 82                                                        | 79                                                           |
| 504                    | 242                  | 18                   | 36                                                             | 35                                                          | 36                                                            | 36                                                            | 69                                                       | 79                                                        | 51                                                 | 79                                                       | 82                                                        | 79                                                           |
| 509                    | 242                  | 39                   | 36                                                             | 35                                                          | 37                                                            | 36                                                            | 70                                                       | 80                                                        | 52                                                 | 79                                                       | 83                                                        | 79                                                           |
| 510                    | 243                  | 1                    | 36                                                             | 36                                                          | 38                                                            | 36                                                            | 69                                                       | 80                                                        | 52                                                 | 79                                                       | 83                                                        | 79                                                           |
| 511                    | 243                  | 23                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 69                                                       | 80                                                        | 52                                                 | 79                                                       | 83                                                        | 79                                                           |
| 512                    | 243                  | 44                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 69                                                       | 80                                                        | 52                                                 | 79                                                       | 83                                                        | 79                                                           |
| 513                    | 244                  | 6                    | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 69                                                       | 80                                                        | 52                                                 | 79                                                       | 83                                                        | 79                                                           |
| 514                    | 244                  | 27                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 69                                                       | 80                                                        | 52                                                 | 79                                                       | 83                                                        | 79                                                           |
| 515                    | 244                  | 49                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 69                                                       | 79                                                        | 52                                                 | 79                                                       | 83                                                        | 79                                                           |
| 516                    | 245                  | 10                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 68                                                       | 79                                                        | 52                                                 | 79                                                       | 82                                                        | 78                                                           |
| 517                    | 245                  | 32                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 68                                                       | 79                                                        | 52                                                 | 79                                                       | 82                                                        | 78                                                           |
| 518                    | 245                  | 53                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 69                                                       | 79                                                        | 52                                                 | 79                                                       | 82                                                        | 78                                                           |
| 519                    | 246                  | 15                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 68                                                       | 78                                                        | 51                                                 | 78                                                       | 82                                                        | 78                                                           |
| 520                    | 246                  | 36                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 68                                                       | 78                                                        | 51                                                 | 78                                                       | 81                                                        | 77                                                           |
| 521                    | 246                  | 58                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 68                                                       | 78                                                        | 51                                                 | 78                                                       | 81                                                        | 77                                                           |
| 522                    | 247                  | 19                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 68                                                       | 78                                                        | 51                                                 | 78                                                       | 81                                                        | 78                                                           |
| 523                    | 247                  | 41                   | 36                                                             | 36                                                          | 37                                                            | 36                                                            | 68                                                       | 77                                                        | 51                                                 | 78                                                       | 81                                                        | 78                                                           |
| 524                    | 248                  | 3                    | 37                                                             | 37                                                          | 38                                                            | 37                                                            | 68                                                       | 79                                                        | 51                                                 | 78                                                       | 81                                                        | 77                                                           |
| 525                    | 248                  | 24                   | 37                                                             | 37                                                          | 38                                                            | 37                                                            | 68                                                       | 79                                                        | 52                                                 | 79                                                       | 82                                                        | 77                                                           |
| 526                    | 248                  | 46                   | 37                                                             | 37                                                          | 38                                                            | 37                                                            | 69                                                       | 79                                                        | 52                                                 | 79                                                       | 82                                                        | 78                                                           |
| 527                    | 249                  | 0                    | 37                                                             | 37                                                          | 38                                                            | 37                                                            | 69                                                       | 79                                                        | 52                                                 | 78                                                       | 82                                                        | 78                                                           |
| 528                    | 249                  | 29                   | 38                                                             | 37                                                          | 38                                                            | 37                                                            | 69                                                       | 80                                                        | 52                                                 | 79                                                       | 83                                                        | 78                                                           |
| 529                    | 249                  | 50                   | 38                                                             | 37                                                          | 39                                                            | 37                                                            | 69                                                       | 80                                                        | 53                                                 | 79                                                       | 83                                                        | 78                                                           |
| 530                    | 250                  | 12                   | 38                                                             | 38                                                          | 39                                                            | 37                                                            | 70                                                       | 80                                                        | 53                                                 | 79                                                       | 83                                                        | 79                                                           |
| 531                    | 250                  | 33                   | 38                                                             | 38                                                          | 39                                                            | 38                                                            | 70                                                       | 80                                                        | 53                                                 | 80                                                       | 83                                                        | 79                                                           |
| 532                    | 250                  | 55                   | 38                                                             | 37                                                          | 39                                                            | 37                                                            | 71                                                       | 81                                                        | 53                                                 | 80                                                       | 83                                                        | 80                                                           |
| 533                    | 251                  | 16                   | 38                                                             | 38                                                          | 39                                                            | 37                                                            | 72                                                       | 82                                                        | 54                                                 | 81                                                       | 85                                                        | 82                                                           |
| 534                    | 251                  | 0                    | 38                                                             | 38                                                          | 39                                                            | 38                                                            | 72                                                       | 83                                                        | 55                                                 | 82                                                       | 86                                                        | 82                                                           |
| 535                    | 252                  | 0                    | 38                                                             | 37                                                          | 38                                                            | 38                                                            | 74                                                       | 85                                                        | 55                                                 | 82                                                       | 87                                                        | 82                                                           |
| 536                    | 252                  | 21                   | 37                                                             | 37                                                          | 38                                                            | 37                                                            | 74                                                       | 85                                                        | 56                                                 | 83                                                       | 88                                                        | 83                                                           |
| 537                    | 252                  | 43                   | 38                                                             | 38                                                          | 38                                                            | 37                                                            | 75                                                       | 86                                                        | 56                                                 | 83                                                       | 88                                                        | 83                                                           |
| 538                    | 253                  | 4                    | 37                                                             | 38                                                          | 38                                                            | 37                                                            | 76                                                       | 86                                                        | 59                                                 | 85                                                       | 90                                                        | 85                                                           |
| 539                    | 253                  | 26                   | 38                                                             | 38                                                          | 39                                                            | 38                                                            | 77                                                       | 86                                                        | 59                                                 | 85                                                       | 90                                                        | 86                                                           |
| 541                    | 254                  | 9                    | 37                                                             | 37                                                          | 38                                                            | 38                                                            | 78                                                       | 89                                                        | 62                                                 | 87                                                       | 91                                                        | 88                                                           |
| 542                    | 254                  | 32                   | 38                                                             | 38                                                          | 39                                                            | 38                                                            | 79                                                       | 89                                                        | 62                                                 | 89                                                       | 93                                                        | 89                                                           |
| 543                    | 254                  | 53                   | 38                                                             | 38                                                          | 39                                                            | 38                                                            | 81                                                       | 89                                                        | 62                                                 | 89                                                       | 93                                                        | 89                                                           |
| 544                    | 255                  | 13                   | 38                                                             | 38                                                          | 39                                                            | 38                                                            | 80                                                       | 85                                                        | 63                                                 | 90                                                       | 96                                                        | 92                                                           |

HM-51C S/N 66-10354  
DESERT TEST  
2X JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>AFCS 2<br>(PITCH<br>/ ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINDM<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>WINDM<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|
| 308                   | *                    | *                    | 62                                                            | 44                                                      | 55                                                       | 39                                                   | 39                                                           | 41                                                          | 45                                                      | 47                                                       | 69                                                               | 49                                                                |
| 309                   | 141                  | 29                   | *                                                             | *                                                       | *                                                        | *                                                    | 48                                                           | 42                                                          | 45                                                      | 46                                                       | 71                                                               | 55                                                                |
| 310                   | 141                  | 51                   | 55                                                            | 47                                                      | 54                                                       | 41                                                   | 48                                                           | 42                                                          | 45                                                      | 0                                                        | *                                                                | *                                                                 |
| 311                   | 142                  | 12                   | 56                                                            | 46                                                      | 56                                                       | 41                                                   | 48                                                           | 42                                                          | 46                                                      | 45                                                       | 69                                                               | 49                                                                |
| 312                   | 142                  | 33                   | 56                                                            | 48                                                      | 56                                                       | 41                                                   | 48                                                           | 42                                                          | 46                                                      | 45                                                       | 70                                                               | 48                                                                |
| 313                   | 142                  | 55                   | 59                                                            | 48                                                      | 57                                                       | 41                                                   | 39                                                           | 42                                                          | 47                                                      | 49                                                       | 74                                                               | 55                                                                |
| 314                   | 143                  | 16                   | 70                                                            | 49                                                      | 56                                                       | 41                                                   | 39                                                           | 42                                                          | 49                                                      | 48                                                       | 76                                                               | 58                                                                |
| 315                   | 143                  | 38                   | 71                                                            | 49                                                      | 56                                                       | 41                                                   | 39                                                           | 42                                                          | 49                                                      | 48                                                       | 74                                                               | 53                                                                |
| 316                   | 143                  | 59                   | 72                                                            | 51                                                      | 56                                                       | 41                                                   | 39                                                           | 42                                                          | 49                                                      | 46                                                       | 74                                                               | 51                                                                |
| 317                   | 144                  | 21                   | 73                                                            | 51                                                      | 59                                                       | 42                                                   | 39                                                           | 43                                                          | 51                                                      | 47                                                       | 72                                                               | 51                                                                |
| 318                   | 144                  | 42                   | 73                                                            | 51                                                      | 59                                                       | 42                                                   | 39                                                           | 43                                                          | 51                                                      | 47                                                       | 73                                                               | 51                                                                |
| 319                   | 145                  | 3                    | 74                                                            | 51                                                      | 59                                                       | 43                                                   | 48                                                           | 42                                                          | 51                                                      | 48                                                       | 73                                                               | 51                                                                |
| 320                   | *                    | *                    | 75                                                            | 51                                                      | 65                                                       | 43                                                   | 39                                                           | 43                                                          | 51                                                      | 48                                                       | 74                                                               | 51                                                                |
| 321                   | 145                  | 46                   | *                                                             | 49                                                      | 51                                                       | 44                                                   | 40                                                           | 43                                                          | 51                                                      | 48                                                       | 75                                                               | 51                                                                |
| 322                   | 145                  | 7                    | 76                                                            | 51                                                      | 51                                                       | *                                                    | *                                                            | *                                                           | *                                                       | *                                                        | *                                                                | *                                                                 |
| 323                   | 145                  | 28                   | 78                                                            | 51                                                      | 62                                                       | 45                                                   | 41                                                           | 44                                                          | 53                                                      | 53                                                       | 76                                                               | 54                                                                |
| 324                   | 147                  | 11                   | 79                                                            | 51                                                      | 62                                                       | 45                                                   | 41                                                           | 44                                                          | 54                                                      | 50                                                       | 75                                                               | 54                                                                |
| 325                   | 147                  | 32                   | 79                                                            | 51                                                      | 62                                                       | 45                                                   | 41                                                           | 44                                                          | 55                                                      | 50                                                       | 75                                                               | 54                                                                |
| 326                   | 147                  | 53                   | 79                                                            | 51                                                      | 62                                                       | 45                                                   | 41                                                           | 44                                                          | 55                                                      | 50                                                       | 75                                                               | 54                                                                |
| 327                   | 147                  | 15                   | 80                                                            | 52                                                      | 62                                                       | 45                                                   | 40                                                           | 43                                                          | 55                                                      | 50                                                       | 75                                                               | 54                                                                |
| 328                   | 148                  | 36                   | 78                                                            | 52                                                      | 62                                                       | 45                                                   | 41                                                           | 44                                                          | 55                                                      | 51                                                       | 75                                                               | 54                                                                |
| 329                   | 148                  | 57                   | 77                                                            | 51                                                      | 58                                                       | 45                                                   | 41                                                           | 44                                                          | 54                                                      | 50                                                       | 74                                                               | 48                                                                |
| 330                   | 149                  | 13                   | 76                                                            | 46                                                      | 59                                                       | 45                                                   | 41                                                           | 43                                                          | 54                                                      | 50                                                       | 73                                                               | 46                                                                |
| 331                   | 149                  | 40                   | 76                                                            | 48                                                      | 60                                                       | 45                                                   | 40                                                           | 43                                                          | 53                                                      | 50                                                       | 73                                                               | 46                                                                |
| 332                   | 149                  | 1                    | 75                                                            | 48                                                      | 59                                                       | 45                                                   | 40                                                           | 43                                                          | 53                                                      | 50                                                       | 73                                                               | 46                                                                |
| 333                   | 150                  | 1                    | 74                                                            | 48                                                      | 59                                                       | 45                                                   | 40                                                           | 42                                                          | 52                                                      | 50                                                       | 72                                                               | 45                                                                |
| 334                   | *                    | 44                   | *                                                             | 47                                                      | 59                                                       | 45                                                   | 40                                                           | 41                                                          | 52                                                      | 50                                                       | 72                                                               | 45                                                                |
| 335                   | 150                  | *                    | *                                                             | *                                                       | *                                                        | *                                                    | *                                                            | *                                                           | *                                                       | *                                                        | 71                                                               | 44                                                                |
| 336                   | 151                  | 5                    | *                                                             | *                                                       | *                                                        | 44                                                   | 39                                                           | 40                                                          | *                                                       | *                                                        | *                                                                | *                                                                 |
| 337                   | 151                  | 27                   | 72                                                            | 46                                                      | 58                                                       | 44                                                   | 39                                                           | 40                                                          | *                                                       | *                                                        | *                                                                | *                                                                 |
| 338                   | 151                  | 48                   | 72                                                            | 45                                                      | 57                                                       | 44                                                   | 38                                                           | 39                                                          | 50                                                      | 49                                                       | 70                                                               | 42                                                                |
| 339                   | 152                  | 3                    | 71                                                            | 45                                                      | 57                                                       | 43                                                   | 38                                                           | 39                                                          | 48                                                      | 49                                                       | 70                                                               | 42                                                                |
| 340                   | 152                  | 31                   | 70                                                            | 44                                                      | 56                                                       | 42                                                   | 38                                                           | 38                                                          | 48                                                      | 48                                                       | 70                                                               | 41                                                                |
| 341                   | 152                  | 52                   | 70                                                            | 44                                                      | 55                                                       | 42                                                   | 36                                                           | 38                                                          | 48                                                      | 48                                                       | 69                                                               | 40                                                                |
| 342                   | 153                  | 13                   | 70                                                            | 43                                                      | 55                                                       | 42                                                   | 36                                                           | 37                                                          | 48                                                      | 48                                                       | 69                                                               | 40                                                                |
| 343                   | 153                  | 35                   | 69                                                            | 43                                                      | 56                                                       | 42                                                   | 36                                                           | 36                                                          | 47                                                      | 48                                                       | 69                                                               | 39                                                                |
| 344                   | 153                  | 56                   | 69                                                            | 42                                                      | 55                                                       | 41                                                   | 35                                                           | 36                                                          | 46                                                      | 48                                                       | 68                                                               | 39                                                                |
| 345                   | 154                  | 17                   | 69                                                            | 41                                                      | 55                                                       | 41                                                   | 35                                                           | 36                                                          | 46                                                      | 47                                                       | 68                                                               | 38                                                                |
| 346                   | 154                  | 33                   | 68                                                            | 41                                                      | 54                                                       | 41                                                   | 34                                                           | 35                                                          | 46                                                      | 46                                                       | 67                                                               | 38                                                                |
| 347                   | 155                  | 0                    | 68                                                            | 41                                                      | 54                                                       | 41                                                   | 34                                                           | 35                                                          | 46                                                      | 46                                                       | 67                                                               | 37                                                                |
| 348                   | 155                  | 21                   | 68                                                            | 39                                                      | 52                                                       | 41                                                   | 33                                                           | 36                                                          | 45                                                      | 46                                                       | 67                                                               | 37                                                                |
| 349                   | 155                  | 43                   | 67                                                            | 39                                                      | 52                                                       | 41                                                   | 33                                                           | 36                                                          | 45                                                      | 46                                                       | 66                                                               | 36                                                                |
| 350                   | 156                  | 4                    | 66                                                            | 38                                                      | 51                                                       | 40                                                   | 32                                                           | 33                                                          | 45                                                      | 45                                                       | 66                                                               | 36                                                                |
| 351                   | 156                  | 25                   | 66                                                            | 38                                                      | 51                                                       | 40                                                   | 32                                                           | 32                                                          | 45                                                      | 45                                                       | 65                                                               | 36                                                                |
| 352                   | 156                  | 47                   | 66                                                            | 38                                                      | 51                                                       | 40                                                   | 31                                                           | 32                                                          | 44                                                      | 45                                                       | 65                                                               | 36                                                                |
| 353                   | 157                  | 8                    | 66                                                            | 38                                                      | 50                                                       | 40                                                   | 31                                                           | 31                                                          | 43                                                      | 44                                                       | 64                                                               | 35                                                                |

-01  
SHEEP  
COUNT

| 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C |
|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|
| 354                  | 29                   | 66                                                            | 37                                                      | 50                                                       | 40                                                           | 31                                                           | 31                                                          | 42                                                      | 44                                                       | 64                                                               | 35                                                                |
| 355                  | *                    | 66                                                            | 36                                                      | 49                                                       | 40                                                           | 30                                                           | 31                                                          | 42                                                      | 44                                                       | 64                                                               | 36                                                                |
| 356                  | *                    | 66                                                            | 36                                                      | 49                                                       | 39                                                           | 30                                                           | 30                                                          | 42                                                      | 43                                                       | 63                                                               | 35                                                                |
| 357                  | 19                   | 63                                                            | 34                                                      | 46                                                       | 38                                                           | 29                                                           | 28                                                          | 39                                                      | 41                                                       | 61                                                               | 34                                                                |
| 358                  | 4                    | 61                                                            | 32                                                      | 44                                                       | 33                                                           | 27                                                           | 27                                                          | 37                                                      | 38                                                       | 59                                                               | 32                                                                |
| 359                  | 43                   | *                                                             | *                                                       | *                                                        | 31                                                           | 26                                                           | 26                                                          | 35                                                      | 37                                                       | 58                                                               | 30                                                                |
| 360                  | 20                   | *                                                             | *                                                       | *                                                        | *                                                            | *                                                            | *                                                           | 35                                                      | 36                                                       | 58                                                               | 31                                                                |
| 361                  | 45                   | 57                                                            | 31                                                      | 37                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | *                                                                | *                                                                 |
| 362                  | 6                    | 57                                                            | 31                                                      | 43                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | *                                                                | *                                                                 |
| 363                  | 28                   | 57                                                            | 31                                                      | 43                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | *                                                                | *                                                                 |
| 364                  | 49                   | 57                                                            | 31                                                      | 43                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | 56                                                               | 32                                                                |
| 365                  | 18                   | 57                                                            | 31                                                      | 43                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | 57                                                               | 32                                                                |
| 366                  | 31                   | 57                                                            | 31                                                      | 43                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | 57                                                               | 32                                                                |
| 367                  | 31                   | 57                                                            | 31                                                      | 42                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | 56                                                               | 32                                                                |
| 368                  | 52                   | 58                                                            | 31                                                      | 42                                                       | 29                                                           | 25                                                           | 25                                                          | 34                                                      | 29                                                       | 57                                                               | 33                                                                |
| 369                  | 13                   | 58                                                            | 31                                                      | 43                                                       | 31                                                           | 27                                                           | 25                                                          | 34                                                      | 29                                                       | 57                                                               | 33                                                                |
| 370                  | 34                   | 58                                                            | 33                                                      | 43                                                       | 30                                                           | 27                                                           | 25                                                          | 35                                                      | 35                                                       | 57                                                               | 33                                                                |
| 371                  | 55                   | 58                                                            | 32                                                      | 44                                                       | 30                                                           | 27                                                           | 25                                                          | 35                                                      | 35                                                       | 57                                                               | 33                                                                |
| 372                  | 16                   | 59                                                            | 33                                                      | 44                                                       | 30                                                           | 27                                                           | 25                                                          | 35                                                      | 34                                                       | 58                                                               | 34                                                                |
| 373                  | 37                   | 59                                                            | 32                                                      | 43                                                       | 30                                                           | 27                                                           | 26                                                          | 35                                                      | 34                                                       | 57                                                               | 34                                                                |
| 374                  | 58                   | 59                                                            | 33                                                      | 44                                                       | 31                                                           | 27                                                           | 26                                                          | 35                                                      | 34                                                       | 57                                                               | 34                                                                |
| 375                  | 19                   | 51                                                            | 32                                                      | 44                                                       | 31                                                           | 28                                                           | 27                                                          | 35                                                      | 35                                                       | 58                                                               | 35                                                                |
| 376                  | 39                   | 50                                                            | 33                                                      | 44                                                       | 31                                                           | 28                                                           | 27                                                          | 35                                                      | 35                                                       | 58                                                               | 35                                                                |
| 377                  | 2                    | 51                                                            | 34                                                      | 45                                                       | 32                                                           | 29                                                           | 28                                                          | 36                                                      | 34                                                       | 59                                                               | 36                                                                |
| 378                  | 23                   | 51                                                            | 35                                                      | 45                                                       | 32                                                           | 29                                                           | 28                                                          | 35                                                      | 35                                                       | 59                                                               | 36                                                                |
| 379                  | 44                   | 50                                                            | 35                                                      | 45                                                       | 33                                                           | 29                                                           | 29                                                          | 36                                                      | 35                                                       | 59                                                               | 36                                                                |
| 380                  | 5                    | 50                                                            | 36                                                      | 46                                                       | 33                                                           | 30                                                           | 29                                                          | 36                                                      | 36                                                       | 59                                                               | 37                                                                |
| 381                  | 26                   | 51                                                            | 36                                                      | 47                                                       | 33                                                           | 30                                                           | 30                                                          | 36                                                      | 36                                                       | 59                                                               | 37                                                                |
| 382                  | 47                   | 51                                                            | 36                                                      | 46                                                       | 34                                                           | 31                                                           | 31                                                          | 37                                                      | 36                                                       | 60                                                               | 38                                                                |
| 383                  | 8                    | 52                                                            | 36                                                      | 47                                                       | 34                                                           | 31                                                           | 31                                                          | 37                                                      | 36                                                       | 61                                                               | 38                                                                |
| 384                  | 29                   | 52                                                            | 35                                                      | 47                                                       | 34                                                           | 31                                                           | 31                                                          | 37                                                      | 37                                                       | 61                                                               | 38                                                                |
| 385                  | 51                   | 60                                                            | 34                                                      | 45                                                       | 34                                                           | 30                                                           | 30                                                          | 37                                                      | 36                                                       | 59                                                               | 37                                                                |
| 386                  | 12                   | 60                                                            | 35                                                      | 45                                                       | 33                                                           | 31                                                           | 31                                                          | 38                                                      | 36                                                       | 59                                                               | 37                                                                |
| 387                  | 34                   | 51                                                            | 35                                                      | 46                                                       | 34                                                           | 30                                                           | 30                                                          | 38                                                      | 36                                                       | 59                                                               | 37                                                                |
| 388                  | 55                   | 51                                                            | 35                                                      | 46                                                       | 34                                                           | 31                                                           | 31                                                          | 38                                                      | 36                                                       | 59                                                               | 37                                                                |
| 389                  | 16                   | 51                                                            | 36                                                      | 46                                                       | 34                                                           | 31                                                           | 31                                                          | 39                                                      | 36                                                       | 60                                                               | 38                                                                |
| 390                  | 38                   | 62                                                            | 36                                                      | 46                                                       | 34                                                           | 31                                                           | 31                                                          | 39                                                      | 36                                                       | 61                                                               | 38                                                                |
| 391                  | 59                   | 63                                                            | 36                                                      | 46                                                       | 34                                                           | 31                                                           | 31                                                          | 39                                                      | 36                                                       | 61                                                               | 38                                                                |
| 392                  | 21                   | 64                                                            | 36                                                      | 48                                                       | 35                                                           | 32                                                           | 32                                                          | 39                                                      | 37                                                       | 61                                                               | 38                                                                |
| 393                  | 42                   | 66                                                            | 36                                                      | 48                                                       | 35                                                           | 32                                                           | 32                                                          | 39                                                      | 37                                                       | 61                                                               | 38                                                                |
| 394                  | 4                    | 66                                                            | 37                                                      | 48                                                       | 35                                                           | 32                                                           | 32                                                          | 39                                                      | 38                                                       | 61                                                               | 39                                                                |
| 395                  | 25                   | 66                                                            | 36                                                      | 48                                                       | 35                                                           | 32                                                           | 32                                                          | 39                                                      | 38                                                       | 61                                                               | 40                                                                |
| 396                  | 47                   | 58                                                            | 37                                                      | 49                                                       | 35                                                           | 32                                                           | 32                                                          | 40                                                      | 38                                                       | 61                                                               | 41                                                                |
| 397                  | 8                    | 66                                                            | 38                                                      | 49                                                       | 35                                                           | 32                                                           | 34                                                          | 41                                                      | 39                                                       | 62                                                               | 43                                                                |
| 398                  | 30                   | 65                                                            | 39                                                      | 49                                                       | 36                                                           | 32                                                           | 34                                                          | 41                                                      | 38                                                       | 62                                                               | 43                                                                |
| 399                  | 38                   | 73                                                            | 42                                                      | 53                                                       | 42                                                           | 36                                                           | 36                                                          | 45                                                      | 43                                                       | 62                                                               | 42                                                                |
| 400                  | 8                    | 75                                                            | 43                                                      | 54                                                       | 42                                                           | 37                                                           | 36                                                          | 44                                                      | 43                                                       | 66                                                               | 44                                                                |
| 401                  | 21                   | 73                                                            | 43                                                      | *                                                        | *                                                            | *                                                            | *                                                           | *                                                       | *                                                        | *                                                                | *                                                                 |
| 402                  | 43                   | *                                                             | *                                                       | *                                                        | *                                                            | *                                                            | *                                                           | *                                                       | *                                                        | *                                                                | *                                                                 |
| 403                  | 6                    | 78                                                            | 44                                                      | 55                                                       | 44                                                           | 37                                                           | 37                                                          | 46                                                      | 44                                                       | 67                                                               | 48                                                                |
| 404                  | *                    | 78                                                            | 44                                                      | 55                                                       | 43                                                           | 37                                                           | 38                                                          | 46                                                      | 44                                                       | 67                                                               | 48                                                                |
| 405                  | *                    | 78                                                            | 44                                                      | 55                                                       | 43                                                           | 37                                                           | 38                                                          | 46                                                      | 44                                                       | 67                                                               | 49                                                                |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------|
| 44                    | 192                  | 47                   | 78                                                            | 45                                                      | 55                                                       | 44                                                           | 37                                                           | 38                                                          | 46                                                      | 44                                                       | 67                                                               | 47                                                                |
| 45                    | 192                  | 59                   | 76                                                            | 45                                                      | 51                                                       | 44                                                           | 39                                                           | 40                                                          | 46                                                      | 44                                                       | 68                                                               | 44                                                                |
| 46                    | 193                  | 30                   | 76                                                            | 44                                                      | 52                                                       | 44                                                           | 37                                                           | 38                                                          | 46                                                      | 45                                                       | 65                                                               | 42                                                                |
| 47                    | 193                  | 51                   | 75                                                            | 42                                                      | 53                                                       | 44                                                           | 37                                                           | 38                                                          | 45                                                      | 45                                                       | 65                                                               | 41                                                                |
| 48                    | 194                  | 13                   | 73                                                            | 42                                                      | 53                                                       | 43                                                           | 37                                                           | 38                                                          | 45                                                      | 44                                                       | 66                                                               | 40                                                                |
| 49                    | 194                  | 34                   | 72                                                            | 41                                                      | 53                                                       | 43                                                           | 37                                                           | 37                                                          | 44                                                      | 44                                                       | 65                                                               | 39                                                                |
| 50                    | 194                  | 56                   | 71                                                            | 41                                                      | 53                                                       | 42                                                           | 36                                                           | 36                                                          | 44                                                      | 44                                                       | 65                                                               | 39                                                                |
| 51                    | 195                  | 17                   | 71                                                            | 40                                                      | 53                                                       | 42                                                           | 36                                                           | 36                                                          | 43                                                      | 44                                                       | 66                                                               | 39                                                                |
| 52                    | 195                  | 39                   | 70                                                            | 41                                                      | 53                                                       | 42                                                           | 36                                                           | 36                                                          | 43                                                      | 45                                                       | 65                                                               | 39                                                                |
| 53                    | 196                  | 8                    | 70                                                            | 41                                                      | 52                                                       | 42                                                           | 35                                                           | 36                                                          | 44                                                      | 44                                                       | 65                                                               | 39                                                                |
| 54                    | 196                  | 22                   | 69                                                            | 40                                                      | 51                                                       | 41                                                           | 36                                                           | 35                                                          | 42                                                      | 44                                                       | 65                                                               | 39                                                                |
| 55                    | 196                  | 43                   | 58                                                            | 40                                                      | 52                                                       | 41                                                           | 35                                                           | 35                                                          | 42                                                      | 44                                                       | 65                                                               | 39                                                                |
| 56                    | 203                  | 45                   | 55                                                            | 39                                                      | 50                                                       | 40                                                           | 34                                                           | 34                                                          | 41                                                      | 42                                                       | 63                                                               | 0                                                                 |
| 57                    | 204                  | 6                    | 55                                                            | 39                                                      | 50                                                       | 40                                                           | 34                                                           | 34                                                          | 41                                                      | 42                                                       | 63                                                               | 0                                                                 |
| 58                    | 204                  | 27                   | 55                                                            | 39                                                      | 50                                                       | 40                                                           | 34                                                           | 34                                                          | 41                                                      | 42                                                       | 63                                                               | 0                                                                 |
| 59                    | 209                  | 27                   | 70                                                            | 44                                                      | 53                                                       | 42                                                           | 34                                                           | 34                                                          | 44                                                      | 44                                                       | 63                                                               | 40                                                                |
| 60                    | 209                  | 47                   | 70                                                            | 44                                                      | 54                                                       | 41                                                           | 38                                                           | 36                                                          | 44                                                      | 44                                                       | 66                                                               | 45                                                                |
| 61                    | 210                  | 30                   | 70                                                            | 44                                                      | 54                                                       | 41                                                           | 38                                                           | 36                                                          | 44                                                      | 44                                                       | 67                                                               | 46                                                                |
| 62                    | 210                  | 51                   | 71                                                            | 44                                                      | 54                                                       | 41                                                           | 38                                                           | 36                                                          | 44                                                      | 44                                                       | 67                                                               | 45                                                                |
| 63                    | 211                  | 12                   | 71                                                            | 45                                                      | 54                                                       | 41                                                           | 38                                                           | 38                                                          | 45                                                      | 44                                                       | 67                                                               | 46                                                                |
| 64                    | 211                  | 28                   | 72                                                            | 46                                                      | 56                                                       | 43                                                           | 39                                                           | 39                                                          | 46                                                      | 46                                                       | 69                                                               | 46                                                                |
| 65                    | 212                  | 49                   | 72                                                            | 46                                                      | 55                                                       | 43                                                           | 39                                                           | 39                                                          | 47                                                      | 45                                                       | 68                                                               | 47                                                                |
| 66                    | 213                  | 10                   | 71                                                            | 45                                                      | 55                                                       | 42                                                           | 39                                                           | 39                                                          | 46                                                      | 45                                                       | 68                                                               | 46                                                                |
| 67                    | 213                  | 32                   | 71                                                            | 46                                                      | 55                                                       | 42                                                           | 39                                                           | 39                                                          | 46                                                      | 45                                                       | 68                                                               | 47                                                                |
| 68                    | 213                  | 53                   | 71                                                            | 46                                                      | 56                                                       | 43                                                           | 39                                                           | 39                                                          | 47                                                      | 45                                                       | 68                                                               | 47                                                                |
| 69                    | 214                  | 15                   | 71                                                            | 46                                                      | 55                                                       | 42                                                           | 40                                                           | 40                                                          | 47                                                      | 45                                                       | 68                                                               | 47                                                                |
| 70                    | 214                  | 36                   | 72                                                            | 46                                                      | 56                                                       | 44                                                           | 41                                                           | 41                                                          | 48                                                      | 46                                                       | 29                                                               | 47                                                                |
| 71                    | 214                  | 58                   | 72                                                            | 46                                                      | 56                                                       | 44                                                           | 41                                                           | 41                                                          | 48                                                      | 46                                                       | 29                                                               | 47                                                                |
| 72                    | 215                  | 19                   | 71                                                            | 46                                                      | 57                                                       | 44                                                           | 41                                                           | 40                                                          | 49                                                      | 47                                                       | 70                                                               | 48                                                                |
| 73                    | 215                  | 38                   | 71                                                            | 46                                                      | 56                                                       | 43                                                           | 40                                                           | 40                                                          | 48                                                      | 45                                                       | 69                                                               | 46                                                                |
| 74                    | 216                  | 2                    | 71                                                            | 46                                                      | 56                                                       | 44                                                           | 41                                                           | 41                                                          | 48                                                      | 46                                                       | 69                                                               | 48                                                                |
| 75                    | 216                  | 24                   | 72                                                            | 46                                                      | 57                                                       | 44                                                           | 41                                                           | 41                                                          | 49                                                      | 46                                                       | 78                                                               | 48                                                                |
| 76                    | 216                  | 45                   | 72                                                            | 47                                                      | 57                                                       | 44                                                           | 41                                                           | 41                                                          | 48                                                      | 46                                                       | 78                                                               | 47                                                                |
| 77                    | 217                  | 6                    | 72                                                            | 46                                                      | 57                                                       | 44                                                           | 41                                                           | 41                                                          | 48                                                      | 47                                                       | 69                                                               | 48                                                                |
| 78                    | 217                  | 28                   | 71                                                            | 46                                                      | 56                                                       | 44                                                           | 41                                                           | 41                                                          | 48                                                      | 47                                                       | 70                                                               | 47                                                                |
| 79                    | 217                  | 50                   | 72                                                            | 47                                                      | 57                                                       | 45                                                           | 42                                                           | 42                                                          | 49                                                      | 48                                                       | 70                                                               | 47                                                                |
| 80                    | 218                  | 11                   | 73                                                            | 46                                                      | 58                                                       | 45                                                           | 42                                                           | 42                                                          | 49                                                      | 48                                                       | 70                                                               | 47                                                                |
| 81                    | 218                  | 32                   | 73                                                            | 47                                                      | 57                                                       | 45                                                           | 41                                                           | 41                                                          | 49                                                      | 48                                                       | 70                                                               | 48                                                                |
| 82                    | 218                  | 53                   | 72                                                            | 47                                                      | 57                                                       | 45                                                           | 42                                                           | 42                                                          | 49                                                      | 48                                                       | 70                                                               | 48                                                                |
| 83                    | 219                  | 15                   | 72                                                            | 48                                                      | 58                                                       | 45                                                           | 41                                                           | 42                                                          | 50                                                      | 48                                                       | 71                                                               | 47                                                                |
| 84                    | 219                  | 36                   | 73                                                            | 48                                                      | 58                                                       | 45                                                           | 41                                                           | 41                                                          | 50                                                      | 48                                                       | 71                                                               | 47                                                                |
| 85                    | 219                  | 58                   | 72                                                            | 46                                                      | 57                                                       | 45                                                           | 41                                                           | 41                                                          | 49                                                      | 48                                                       | 70                                                               | 46                                                                |
| 86                    | 220                  | 20                   | 72                                                            | 47                                                      | 57                                                       | 45                                                           | 41                                                           | 41                                                          | 49                                                      | 48                                                       | 70                                                               | 46                                                                |
| 87                    | 220                  | 41                   | 73                                                            | 47                                                      | 57                                                       | 45                                                           | 41                                                           | 41                                                          | 49                                                      | 48                                                       | 69                                                               | 47                                                                |
| 88                    | 221                  | 3                    | 72                                                            | 47                                                      | 57                                                       | 45                                                           | 41                                                           | 42                                                          | 48                                                      | 48                                                       | 69                                                               | 47                                                                |
| 89                    | 221                  | 24                   | 72                                                            | 47                                                      | 57                                                       | 45                                                           | 41                                                           | 42                                                          | 48                                                      | 48                                                       | 69                                                               | 47                                                                |
| 90                    | 221                  | 46                   | 73                                                            | 46                                                      | 57                                                       | 45                                                           | 41                                                           | 41                                                          | 49                                                      | 48                                                       | 70                                                               | 48                                                                |
| 91                    | 221                  | 68                   | 74                                                            | 48                                                      | 58                                                       | 46                                                           | 42                                                           | 42                                                          | 49                                                      | 48                                                       | 70                                                               | 48                                                                |
| 92                    | 222                  | 29                   | 74                                                            | 48                                                      | 58                                                       | 47                                                           | 42                                                           | 42                                                          | 50                                                      | 48                                                       | 71                                                               | 48                                                                |



| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHANI)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHANI)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP.<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP.<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP.<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 454                   | 222                  | 50                   | 73                                                             | 46                                                       | 59                                                        | 46                                                            | 42                                                            | 42                                                           | 50                                                       | 49                                                        | 70                                                       | 48                                                        |
| 455                   | 223                  | 11                   | 73                                                             | 46                                                       | 58                                                        | 45                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 71                                                       | 48                                                        |
| 456                   | 223                  | 33                   | 73                                                             | 47                                                       | 57                                                        | 45                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 70                                                       | 48                                                        |
| 457                   | 223                  | 55                   | 74                                                             | 47                                                       | 51                                                        | 45                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 70                                                       | 48                                                        |
| 458                   | 224                  | 38                   | 73                                                             | 47                                                       | 57                                                        | 45                                                            | 41                                                            | 42                                                           | 49                                                       | 48                                                        | 69                                                       | 47                                                        |
| 459                   | 225                  | 0                    | 73                                                             | 47                                                       | 57                                                        | 45                                                            | 41                                                            | 41                                                           | 50                                                       | 49                                                        | 70                                                       | 48                                                        |
| 460                   | 225                  | 21                   | 73                                                             | 47                                                       | 57                                                        | 45                                                            | 41                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 461                   | 225                  | 43                   | 73                                                             | 47                                                       | 58                                                        | 46                                                            | 42                                                            | 42                                                           | 50                                                       | 48                                                        | 69                                                       | 48                                                        |
| 462                   | 225                  | 43                   | 73                                                             | 48                                                       | 58                                                        | 46                                                            | 42                                                            | 42                                                           | 49                                                       | 48                                                        | 70                                                       | 48                                                        |
| 463                   | 226                  | 4                    | 73                                                             | 48                                                       | 57                                                        | 46                                                            | 41                                                            | 41                                                           | 50                                                       | 48                                                        | 70                                                       | 48                                                        |
| 464                   | 226                  | 26                   | 73                                                             | 48                                                       | 58                                                        | 46                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 70                                                       | 48                                                        |
| 465                   | 226                  | 48                   | 73                                                             | 47                                                       | 58                                                        | 46                                                            | 41                                                            | 41                                                           | 50                                                       | 48                                                        | 70                                                       | 48                                                        |
| 466                   | 227                  | 9                    | 73                                                             | 47                                                       | 58                                                        | 46                                                            | 42                                                            | 41                                                           | 49                                                       | 48                                                        | 69                                                       | 47                                                        |
| 467                   | 227                  | 31                   | 73                                                             | 47                                                       | 57                                                        | 46                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 69                                                       | 47                                                        |
| 468                   | 227                  | 53                   | 73                                                             | 47                                                       | 58                                                        | 46                                                            | 41                                                            | 41                                                           | 50                                                       | 48                                                        | 69                                                       | 47                                                        |
| 469                   | 228                  | 15                   | 74                                                             | 46                                                       | 57                                                        | 47                                                            | 41                                                            | 42                                                           | 50                                                       | 48                                                        | 70                                                       | 47                                                        |
| 470                   | 228                  | 36                   | 74                                                             | 46                                                       | 57                                                        | 47                                                            | 41                                                            | 42                                                           | 49                                                       | 48                                                        | 70                                                       | 47                                                        |
| 471                   | 228                  | 58                   | 74                                                             | 48                                                       | 58                                                        | 47                                                            | 41                                                            | 41                                                           | 50                                                       | 48                                                        | 70                                                       | 47                                                        |
| 472                   | 229                  | 20                   | 74                                                             | 47                                                       | 56                                                        | 47                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 70                                                       | 47                                                        |
| 473                   | 229                  | 42                   | 73                                                             | 47                                                       | 57                                                        | 46                                                            | 41                                                            | 41                                                           | 50                                                       | 48                                                        | 70                                                       | 47                                                        |
| 474                   | 230                  | 3                    | 74                                                             | 47                                                       | 57                                                        | 46                                                            | 41                                                            | 41                                                           | 50                                                       | 48                                                        | 70                                                       | 47                                                        |
| 475                   | 230                  | 25                   | 73                                                             | 47                                                       | 57                                                        | 47                                                            | 41                                                            | 41                                                           | 50                                                       | 48                                                        | 70                                                       | 47                                                        |
| 476                   | 231                  | 8                    | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 51                                                       | 49                                                        | 71                                                       | 48                                                        |
| 477                   | 231                  | 30                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 51                                                       | 49                                                        | 71                                                       | 48                                                        |
| 478                   | 231                  | 51                   | 74                                                             | 48                                                       | 59                                                        | 48                                                            | 42                                                            | 42                                                           | 50                                                       | 49                                                        | 71                                                       | 48                                                        |
| 479                   | 231                  | 12                   | 74                                                             | 48                                                       | 59                                                        | 48                                                            | 42                                                            | 42                                                           | 50                                                       | 49                                                        | 71                                                       | 48                                                        |
| 480                   | 232                  | 12                   | 74                                                             | 47                                                       | 58                                                        | 47                                                            | 42                                                            | 42                                                           | 49                                                       | 48                                                        | 71                                                       | 48                                                        |
| 481                   | 232                  | 55                   | 74                                                             | 47                                                       | 58                                                        | 47                                                            | 42                                                            | 42                                                           | 49                                                       | 48                                                        | 71                                                       | 48                                                        |
| 482                   | 232                  | 17                   | 75                                                             | 48                                                       | 59                                                        | 48                                                            | 43                                                            | 43                                                           | 51                                                       | 50                                                        | 71                                                       | 48                                                        |
| 483                   | 233                  | 38                   | 73                                                             | 48                                                       | 58                                                        | 48                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 71                                                       | 48                                                        |
| 484                   | 234                  | 0                    | 73                                                             | 48                                                       | 58                                                        | 48                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 71                                                       | 48                                                        |
| 485                   | 234                  | 0                    | 74                                                             | 47                                                       | 58                                                        | 48                                                            | 41                                                            | 41                                                           | 49                                                       | 48                                                        | 70                                                       | 48                                                        |
| 486                   | 234                  | 43                   | 73                                                             | 47                                                       | 58                                                        | 48                                                            | 42                                                            | 41                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 487                   | 235                  | 5                    | 74                                                             | 48                                                       | 57                                                        | 48                                                            | 42                                                            | 41                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 488                   | 235                  | 26                   | 74                                                             | 48                                                       | 54                                                        | 48                                                            | 42                                                            | 43                                                           | 50                                                       | 49                                                        | 71                                                       | 48                                                        |
| 489                   | 235                  | 48                   | 74                                                             | 48                                                       | 54                                                        | 48                                                            | 42                                                            | 43                                                           | 50                                                       | 49                                                        | 71                                                       | 48                                                        |
| 490                   | 236                  | 9                    | 74                                                             | 47                                                       | 58                                                        | 48                                                            | 41                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 491                   | 236                  | 31                   | 74                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 492                   | 236                  | 58                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 493                   | 237                  | 14                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 71                                                       | 48                                                        |
| 494                   | 237                  | 36                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 50                                                       | 48                                                        | 70                                                       | 48                                                        |
| 495                   | 237                  | 57                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 50                                                       | 49                                                        | 70                                                       | 48                                                        |
| 496                   | 237                  | 19                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 50                                                       | 49                                                        | 70                                                       | 48                                                        |
| 497                   | 238                  | 41                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 50                                                       | 49                                                        | 71                                                       | 48                                                        |
| 498                   | 238                  | 41                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 499                   | 239                  | 2                    | 75                                                             | 36                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 500                   | 239                  | 24                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 71                                                       | 48                                                        |
| 501                   | 239                  | 46                   | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 50                                                       | 49                                                        | 71                                                       | 48                                                        |
| 502                   | 240                  | 8                    | 75                                                             | 48                                                       | 58                                                        | 48                                                            | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |
| 503                   | 240                  | 29                   | 76                                                             | 48                                                       | 58                                                        | 0                                                             | 42                                                            | 42                                                           | 49                                                       | 49                                                        | 70                                                       | 48                                                        |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>PITCH<br>/ROLL<br>CHAN1<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>PITCH<br>/ROLL<br>CHAN1<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 504                   | 240                  | 51                   | 75                                                           | 48                                                      | 50                                                       | 48                                                          | 42                                                           | 42                                                          | 50                                                      | 49                                                       | 70                                                       | 48                                                        |
| 505                   | 241                  | 13                   | 75                                                           | 48                                                      | 50                                                       | 48                                                          | 42                                                           | 42                                                          | 50                                                      | 49                                                       | 71                                                       | 49                                                        |
| 506                   | 241                  | 35                   | 74                                                           | 48                                                      | 50                                                       | 49                                                          | 41                                                           | 42                                                          | 50                                                      | 49                                                       | 70                                                       | 48                                                        |
| 507                   | 241                  | 56                   | 74                                                           | 48                                                      | 44                                                       | *                                                           | *                                                            | *                                                           | *                                                       | *                                                        | *                                                        | *                                                         |
| 508                   | 242                  | 18                   | 74                                                           | 48                                                      | 58                                                       | 48                                                          | 41                                                           | 42                                                          | 51                                                      | 49                                                       | 71                                                       | 48                                                        |
| 509                   | 242                  | 39                   | 74                                                           | 48                                                      | 59                                                       | 48                                                          | 42                                                           | 42                                                          | 51                                                      | 49                                                       | 71                                                       | 48                                                        |
| 510                   | 243                  | 1                    | 75                                                           | 48                                                      | 59                                                       | 49                                                          | 42                                                           | 43                                                          | 51                                                      | 49                                                       | 71                                                       | 49                                                        |
| 511                   | 243                  | 23                   | 75                                                           | 48                                                      | 59                                                       | 48                                                          | *                                                            | *                                                           | *                                                       | *                                                        | *                                                        | *                                                         |
| 512                   | 243                  | 44                   | 75                                                           | 48                                                      | 59                                                       | 49                                                          | 42                                                           | 42                                                          | 51                                                      | 50                                                       | 71                                                       | 49                                                        |
| 513                   | 244                  | 6                    | 75                                                           | 48                                                      | 58                                                       | 49                                                          | 42                                                           | 42                                                          | 50                                                      | 49                                                       | 71                                                       | 49                                                        |
| 514                   | 244                  | 27                   | 71                                                           | 48                                                      | 59                                                       | 49                                                          | 42                                                           | 43                                                          | 50                                                      | 50                                                       | 71                                                       | 49                                                        |
| 515                   | 244                  | 49                   | 71                                                           | 49                                                      | 60                                                       | 48                                                          | 42                                                           | *                                                           | *                                                       | *                                                        | *                                                        | *                                                         |
| 516                   | 245                  | 10                   | 73                                                           | 48                                                      | 59                                                       | 49                                                          | 42                                                           | 43                                                          | 50                                                      | 51                                                       | 71                                                       | 49                                                        |
| 517                   | 245                  | 32                   | 74                                                           | 49                                                      | 59                                                       | 48                                                          | 42                                                           | 42                                                          | 51                                                      | 49                                                       | 71                                                       | 49                                                        |
| 518                   | 245                  | 53                   | 73                                                           | 49                                                      | 58                                                       | 49                                                          | 42                                                           | 42                                                          | 50                                                      | 50                                                       | 70                                                       | 49                                                        |
| 519                   | 246                  | 15                   | 74                                                           | 48                                                      | 0                                                        | *                                                           | *                                                            | *                                                           | *                                                       | *                                                        | *                                                        | *                                                         |
| 520                   | 246                  | 36                   | 73                                                           | 48                                                      | 59                                                       | 48                                                          | 42                                                           | 42                                                          | 50                                                      | 50                                                       | 71                                                       | 49                                                        |
| 521                   | 246                  | 58                   | 73                                                           | 48                                                      | 58                                                       | 48                                                          | 42                                                           | 42                                                          | 49                                                      | 49                                                       | 71                                                       | 49                                                        |
| 522                   | 247                  | 19                   | 73                                                           | 48                                                      | 56                                                       | 48                                                          | 42                                                           | 43                                                          | 50                                                      | 49                                                       | 71                                                       | 49                                                        |
| 523                   | 247                  | 41                   | *                                                            | *                                                       | *                                                        | 49                                                          | 42                                                           | 43                                                          | 50                                                      | 50                                                       | 71                                                       | 49                                                        |
| 524                   | 248                  | 3                    | 73                                                           | 48                                                      | 50                                                       | 49                                                          | 42                                                           | 43                                                          | 51                                                      | 51                                                       | 71                                                       | 49                                                        |
| 525                   | 248                  | 24                   | 73                                                           | 49                                                      | 59                                                       | 49                                                          | 43                                                           | 43                                                          | 51                                                      | 51                                                       | 71                                                       | 49                                                        |
| 526                   | 248                  | 46                   | 73                                                           | 49                                                      | 53                                                       | 49                                                          | 44                                                           | 44                                                          | 51                                                      | 52                                                       | 72                                                       | 49                                                        |
| 527                   | 249                  | *                    | 75                                                           | 47                                                      | 54                                                       | 49                                                          | 44                                                           | 44                                                          | 51                                                      | 51                                                       | 72                                                       | 49                                                        |
| 528                   | 249                  | 29                   | 75                                                           | 47                                                      | 59                                                       | 50                                                          | 44                                                           | 44                                                          | 51                                                      | 51                                                       | 72                                                       | 49                                                        |
| 529                   | 249                  | 50                   | 75                                                           | 46                                                      | 58                                                       | 49                                                          | 44                                                           | 44                                                          | 51                                                      | 51                                                       | 72                                                       | 49                                                        |
| 530                   | 250                  | 12                   | 76                                                           | 47                                                      | 50                                                       | 40                                                          | *                                                            | *                                                           | *                                                       | *                                                        | *                                                        | *                                                         |
| 531                   | 250                  | 33                   | 77                                                           | 48                                                      | 59                                                       | 49                                                          | 44                                                           | 44                                                          | 51                                                      | 51                                                       | 72                                                       | 51                                                        |
| 532                   | 250                  | 55                   | 77                                                           | 48                                                      | 59                                                       | 49                                                          | 44                                                           | 44                                                          | 52                                                      | 51                                                       | 72                                                       | 51                                                        |
| 533                   | 251                  | 16                   | 78                                                           | 48                                                      | 59                                                       | 50                                                          | 43                                                           | 45                                                          | 52                                                      | 51                                                       | 72                                                       | 51                                                        |
| 534                   | 251                  | *                    | 79                                                           | 48                                                      | 59                                                       | 50                                                          | 44                                                           | 45                                                          | 53                                                      | 51                                                       | 72                                                       | 55                                                        |
| 535                   | 252                  | 0                    | 79                                                           | 48                                                      | 59                                                       | 50                                                          | *                                                            | 46                                                          | 53                                                      | 51                                                       | 72                                                       | 56                                                        |
| 536                   | 252                  | 21                   | *                                                            | *                                                       | *                                                        | *                                                           | *                                                            | 46                                                          | 53                                                      | 51                                                       | 72                                                       | 56                                                        |
| 537                   | 252                  | 43                   | 81                                                           | 51                                                      | 59                                                       | 50                                                          | 43                                                           | 46                                                          | 52                                                      | 51                                                       | 72                                                       | 51                                                        |
| 538                   | 253                  | 4                    | 82                                                           | 51                                                      | 61                                                       | 51                                                          | 43                                                           | 45                                                          | 51                                                      | 51                                                       | 72                                                       | 53                                                        |
| 539                   | 253                  | 26                   | 83                                                           | 52                                                      | 62                                                       | 51                                                          | 44                                                           | 44                                                          | 52                                                      | 51                                                       | 72                                                       | 54                                                        |
| 541                   | 254                  | 9                    | 85                                                           | 52                                                      | 61                                                       | 51                                                          | 45                                                           | 46                                                          | 52                                                      | 51                                                       | 74                                                       | 55                                                        |
| 542                   | 254                  | 32                   | 85                                                           | 52                                                      | 61                                                       | 51                                                          | 45                                                           | 46                                                          | 56                                                      | 54                                                       | 75                                                       | 56                                                        |
| 543                   | 254                  | 53                   | 87                                                           | 53                                                      | 62                                                       | 52                                                          | 45                                                           | 47                                                          | 56                                                      | 54                                                       | 75                                                       | 56                                                        |
| 544                   | 255                  | 13                   | 87                                                           | 53                                                      | 62                                                       | 52                                                          | 45                                                           | 47                                                          | 55                                                      | 54                                                       | 75                                                       | 58                                                        |

MH-51C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>HTR.<br>FIRE<br>EXT.<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 300                   | *                    | *                    | 45                                                   |
| 309                   | 141                  | 29                   | 45                                                   |
| 310                   | 141                  | 51                   | *                                                    |
| 311                   | 142                  | 12                   | 45                                                   |
| 312                   | 142                  | 33                   | 46                                                   |
| 313                   | 142                  | 55                   | 46                                                   |
| 314                   | 143                  | 16                   | 46                                                   |
| 315                   | 143                  | 38                   | 46                                                   |
| 316                   | 143                  | 59                   | 46                                                   |
| 317                   | 144                  | 21                   | 47                                                   |
| 318                   | 144                  | 42                   | 47                                                   |
| 319                   | 145                  | 3                    | 48                                                   |
| 320                   | *                    | *                    | 47                                                   |
| 321                   | 145                  | 46                   | 48                                                   |
| 322                   | 146                  | 7                    | *                                                    |
| 323                   | 146                  | 28                   | 48                                                   |
| 325                   | 147                  | 11                   | 48                                                   |
| 326                   | 147                  | 32                   | 48                                                   |
| 327                   | 147                  | 53                   | 48                                                   |
| 328                   | 148                  | 15                   | 48                                                   |
| 329                   | 148                  | 36                   | 47                                                   |
| 330                   | 148                  | 57                   | 46                                                   |
| 331                   | 149                  | 19                   | 45                                                   |
| 332                   | 149                  | 40                   | 44                                                   |
| 333                   | 150                  | 1                    | 43                                                   |
| 334                   | *                    | *                    | 42                                                   |
| 335                   | 150                  | 44                   | 42                                                   |
| 336                   | 151                  | 5                    | 41                                                   |
| 337                   | 151                  | 27                   | *                                                    |
| 338                   | 151                  | 48                   | 40                                                   |
| 339                   | 152                  | 9                    | 39                                                   |
| 340                   | 152                  | 31                   | 39                                                   |
| 341                   | 152                  | 52                   | 38                                                   |
| 342                   | 153                  | 13                   | 38                                                   |
| 343                   | 153                  | 35                   | 38                                                   |
| 344                   | 153                  | 56                   | 37                                                   |
| 345                   | 154                  | 17                   | 37                                                   |
| 346                   | 154                  | 39                   | 36                                                   |
| 347                   | 155                  | 0                    | 36                                                   |
| 348                   | 155                  | 21                   | 35                                                   |
| 349                   | 155                  | 43                   | 34                                                   |
| 350                   | 156                  | 4                    | 34                                                   |
| 351                   | 156                  | 25                   | 33                                                   |
| 352                   | 156                  | 47                   | 33                                                   |
| 353                   | 157                  | 8                    | 32                                                   |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>MTR.<br>FIRE<br>EXT.<br>MASS<br>DEG-C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 354                   | 157                  | 29                   | 32                                                   |
| 355                   | "                    | "                    | 32                                                   |
| 356                   | "                    | "                    | 32                                                   |
| 357                   | 161                  | 19                   | 30                                                   |
| 358                   | 165                  | 4                    | 28                                                   |
| 359                   | 166                  | 43                   | 28                                                   |
| 360                   | 168                  | 28                   | 27                                                   |
| 361                   | 171                  | 45                   | "                                                    |
| 362                   | 172                  | 6                    | "                                                    |
| 363                   | 172                  | 28                   | 25                                                   |
| 364                   | 172                  | 49                   | 25                                                   |
| 365                   | 173                  | 10                   | 26                                                   |
| 366                   | 173                  | 31                   | 25                                                   |
| 367                   | 173                  | 52                   | 25                                                   |
| 368                   | 174                  | 13                   | 25                                                   |
| 369                   | 174                  | 34                   | 25                                                   |
| 370                   | 174                  | 55                   | 26                                                   |
| 371                   | 175                  | 16                   | 26                                                   |
| 372                   | 175                  | 37                   | 27                                                   |
| 373                   | 175                  | 58                   | 27                                                   |
| 374                   | 176                  | 19                   | 27                                                   |
| 375                   | 176                  | 59                   | 28                                                   |
| 376                   | 177                  | 2                    | 28                                                   |
| 377                   | 177                  | 23                   | 29                                                   |
| 378                   | 177                  | 44                   | 29                                                   |
| 379                   | 178                  | 5                    | 29                                                   |
| 380                   | 178                  | 26                   | 30                                                   |
| 381                   | 178                  | 47                   | 31                                                   |
| 382                   | 179                  | 8                    | 30                                                   |
| 383                   | 179                  | 29                   | 31                                                   |
| 384                   | 179                  | 51                   | 30                                                   |
| 385                   | 180                  | 12                   | 29                                                   |
| 386                   | 180                  | 34                   | 29                                                   |
| 387                   | 180                  | 55                   | 29                                                   |
| 388                   | 181                  | 16                   | 30                                                   |
| 389                   | 181                  | 38                   | 30                                                   |
| 390                   | 181                  | 59                   | 30                                                   |
| 391                   | 182                  | 21                   | 31                                                   |
| 392                   | 182                  | 42                   | 31                                                   |
| 393                   | 183                  | "                    | 32                                                   |
| 394                   | 183                  | 25                   | 33                                                   |
| 395                   | 183                  | 47                   | 33                                                   |
| 396                   | 184                  | 8                    | 33                                                   |
| 397                   | 184                  | 30                   | 33                                                   |
| 398                   | 185                  | 38                   | 38                                                   |
| 399                   | 191                  | 0                    | "                                                    |
| 400                   | 191                  | 21                   | 39                                                   |
| 401                   | 191                  | 43                   | 40                                                   |
| 402                   | 192                  | 4                    | 41                                                   |
| 403                   | "                    | "                    | 40                                                   |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP.<br>FIRE<br>EXT.<br>HAZ.<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------|
| 404                   | 192                  | 47                   | 48                                            |
| 405                   | 192                  | 59                   | 39                                            |
| 406                   | 193                  | 30                   | 38                                            |
| 407                   | 193                  | 51                   | 38                                            |
| 408                   | 194                  | 13                   | 36                                            |
| 409                   | 194                  | 34                   | 36                                            |
| 410                   | 194                  | 56                   | 35                                            |
| 411                   | 195                  | 17                   | 35                                            |
| 412                   | 195                  | 39                   | 34                                            |
| 413                   | 196                  | 8                    | 34                                            |
| 414                   | 196                  | 22                   | 34                                            |
| 415                   | 196                  | 43                   | 33                                            |
| 416                   | 203                  | 45                   | *                                             |
| 417                   | 204                  | 6                    | *                                             |
| 418                   | 204                  | 27                   | 33                                            |
| 419                   | 209                  | 27                   | 35                                            |
| 420                   | *                    | *                    | 36                                            |
| 421                   | *                    | *                    | 36                                            |
| 422                   | 210                  | 38                   | 36                                            |
| 423                   | 210                  | 51                   | 36                                            |
| 424                   | 211                  | 12                   | 36                                            |
| 425                   | 212                  | 28                   | 38                                            |
| 426                   | 212                  | 49                   | 37                                            |
| 427                   | 213                  | 10                   | 37                                            |
| 428                   | 213                  | 32                   | 37                                            |
| 429                   | 213                  | 53                   | 37                                            |
| 430                   | 214                  | 15                   | 37                                            |
| 431                   | 214                  | 36                   | *                                             |
| 432                   | 214                  | 50                   | 38                                            |
| 433                   | 215                  | 19                   | 39                                            |
| 434                   | *                    | 30                   | 38                                            |
| 435                   | 216                  | 2                    | 38                                            |
| 436                   | 216                  | 24                   | 38                                            |
| 437                   | 216                  | 45                   | 38                                            |
| 438                   | 217                  | 6                    | 38                                            |
| 439                   | 217                  | 28                   | 38                                            |
| 440                   | 217                  | 50                   | 38                                            |
| 441                   | 218                  | 11                   | *                                             |
| 442                   | 218                  | 32                   | 38                                            |
| 443                   | *                    | *                    | 39                                            |
| 444                   | 219                  | 15                   | 39                                            |
| 445                   | 219                  | 36                   | 39                                            |
| 446                   | 219                  | 58                   | 38                                            |
| 447                   | 220                  | 20                   | 38                                            |
| 448                   | 220                  | 41                   | 38                                            |
| 449                   | 221                  | 3                    | *                                             |
| 450                   | 221                  | 24                   | 38                                            |
| 451                   | 221                  | 46                   | 38                                            |
| 452                   | 222                  | 8                    | 39                                            |
| 453                   | 222                  | 29                   | 39                                            |

| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>HFR.<br>FIRE<br>EXT.<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 454                   | 222                  | 50                   | 39                                                   |
| 455                   | 223                  | 11                   | 30                                                   |
| 456                   | 223                  | 33                   | 30                                                   |
| 457                   | 223                  | 55                   | *                                                    |
| 458                   | *                    | *                    | 30                                                   |
| 459                   | 224                  | 38                   | 30                                                   |
| 460                   | 225                  | 0                    | 39                                                   |
| 461                   | 225                  | 21                   | 30                                                   |
| 462                   | 225                  | 43                   | 30                                                   |
| 463                   | 226                  | 4                    | *                                                    |
| 464                   | 226                  | 26                   | 39                                                   |
| 465                   | 226                  | 48                   | 30                                                   |
| 466                   | 227                  | 9                    | 30                                                   |
| 467                   | 227                  | 31                   | 39                                                   |
| 468                   | 227                  | 53                   | 39                                                   |
| 469                   | 228                  | 15                   | 39                                                   |
| 470                   | 228                  | 36                   | 39                                                   |
| 471                   | 228                  | 58                   | 30                                                   |
| 472                   | 229                  | 20                   | 39                                                   |
| 473                   | 229                  | 42                   | 39                                                   |
| 474                   | 230                  | 3                    | 39                                                   |
| 475                   | *                    | *                    | 39                                                   |
| 476                   | 230                  | 47                   | 39                                                   |
| 477                   | 231                  | 0                    | 40                                                   |
| 478                   | 231                  | 30                   | 40                                                   |
| 479                   | 231                  | 51                   | 39                                                   |
| 480                   | 232                  | 12                   | 40                                                   |
| 481                   | *                    | *                    | 39                                                   |
| 482                   | 232                  | 55                   | 39                                                   |
| 483                   | 233                  | 17                   | 40                                                   |
| 484                   | 233                  | 38                   | 39                                                   |
| 485                   | 234                  | 0                    | *                                                    |
| 486                   | *                    | *                    | 39                                                   |
| 487                   | 234                  | 43                   | 39                                                   |
| 488                   | 235                  | 5                    | 39                                                   |
| 489                   | 235                  | 26                   | 40                                                   |
| 490                   | 235                  | 48                   | 40                                                   |
| 491                   | 236                  | 9                    | 39                                                   |
| 492                   | 236                  | 31                   | 39                                                   |
| 493                   | 236                  | 53                   | 39                                                   |
| 494                   | 237                  | 14                   | 40                                                   |
| 495                   | 237                  | 36                   | 40                                                   |
| 496                   | 237                  | 57                   | 40                                                   |
| 497                   | 238                  | 19                   | 40                                                   |
| 498                   | 238                  | 41                   | 40                                                   |
| 499                   | 239                  | 2                    | 40                                                   |
| 500                   | 239                  | 24                   | 40                                                   |
| 501                   | 239                  | 46                   | 40                                                   |
| 502                   | 240                  | 8                    | 40                                                   |
| 503                   | 240                  | 29                   | *                                                    |

| -01<br>SNEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP.<br>HTR.<br>FIRE<br>EXT.<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|
| 504                   | 240                  | 51                   | 40                                                    |
| 505                   | 241                  | 33                   | 40                                                    |
| 506                   | 241                  | 35                   | 39                                                    |
| 507                   | 241                  | 56                   | *                                                     |
| 508                   | 242                  | 18                   | 40                                                    |
| 509                   | 242                  | 39                   | 40                                                    |
| 510                   | 243                  | 1                    | 40                                                    |
| 511                   | 243                  | 23                   | *                                                     |
| 512                   | 243                  | 44                   | 40                                                    |
| 513                   | 244                  | 6                    | 40                                                    |
| 514                   | 244                  | 27                   | 40                                                    |
| 515                   | 244                  | 49                   | *                                                     |
| 516                   | 245                  | 10                   | 41                                                    |
| 517                   | 245                  | 32                   | 41                                                    |
| 518                   | 245                  | 53                   | 41                                                    |
| 519                   | 246                  | 15                   | *                                                     |
| 520                   | 246                  | 36                   | 41                                                    |
| 521                   | 246                  | 58                   | 41                                                    |
| 522                   | 247                  | 19                   | 41                                                    |
| 523                   | 247                  | 41                   | 41                                                    |
| 524                   | 248                  | 3                    | 41                                                    |
| 525                   | 248                  | 24                   | 41                                                    |
| 526                   | 248                  | 46                   | 41                                                    |
| 527                   | *                    | *                    | 41                                                    |
| 528                   | 249                  | 29                   | 42                                                    |
| 529                   | 249                  | 50                   | 42                                                    |
| 530                   | 250                  | 12                   | *                                                     |
| 531                   | 250                  | 33                   | 43                                                    |
| 532                   | 250                  | 55                   | 44                                                    |
| 533                   | 251                  | 16                   | 44                                                    |
| 534                   | *                    | *                    | 45                                                    |
| 535                   | 252                  | 0                    | 45                                                    |
| 536                   | 252                  | 21                   | 45                                                    |
| 537                   | 252                  | 43                   | 46                                                    |
| 538                   | 253                  | 4                    | 46                                                    |
| 539                   | 253                  | 26                   | 46                                                    |
| 541                   | 254                  | 9                    | 46                                                    |
| 542                   | 254                  | 32                   | 48                                                    |
| 543                   | 254                  | 53                   | 49                                                    |
| 544                   | 255                  | 13                   | 49                                                    |

MM-51C S/N 66-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SHEET<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG-1<br>OIL<br>TANK<br>1/3LEV<br>DEG.C | 5-06<br>ENG-1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG-1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG-1<br>FUEL<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG-1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG-1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG-2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG-2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG-2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG-2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 308                   | 141                  | 10                   | 53                                              | 39                                                      | 44                                                       | 39                                              | 44                                                          | 46                                                         | 35                                                          | 42                                                         | 44                                                      | 42                                                       |
| 309                   | 141                  | 32                   | 53                                              | 38                                                      | 44                                                       | 39                                              | 45                                                          | 46                                                         | 36                                                          | 42                                                         | 44                                                      | 51                                                       |
| 310                   | 141                  | 51                   | 53                                              | 38                                                      | 44                                                       | 39                                              | 46                                                          | 46                                                         | 46                                                          | 46                                                         | 46                                                      | 59                                                       |
| 311                   | 142                  | 14                   | 53                                              | 38                                                      | 44                                                       | 39                                              | 47                                                          | 46                                                         | 52                                                          | 58                                                         | 74                                                      | 58                                                       |
| 312                   | 142                  | 36                   | 53                                              | 52                                                      | 49                                                       | 39                                              | 48                                                          | 46                                                         | 57                                                          | 66                                                         | 78                                                      | 68                                                       |
| 313                   | 142                  | 57                   | 53                                              | 70                                                      | 58                                                       | 39                                              | 49                                                          | 55                                                         | 60                                                          | 72                                                         | 80                                                      | 62                                                       |
| 314                   | 143                  | 13                   | 53                                              | 72                                                      | 56                                                       | 39                                              | 49                                                          | 57                                                         | 62                                                          | 78                                                         | 82                                                      | 64                                                       |
| 315                   | 143                  | 40                   | 53                                              | 74                                                      | 58                                                       | 39                                              | 53                                                          | 63                                                         | 64                                                          | 81                                                         | 83                                                      | 84                                                       |
| 316                   | 144                  | 2                    | 56                                              | 74                                                      | 58                                                       | 39                                              | 53                                                          | 63                                                         | 65                                                          | 83                                                         | 85                                                      | 85                                                       |
| 317                   | 144                  | 23                   | 58                                              | 78                                                      | 60                                                       | 39                                              | 56                                                          | 69                                                         | 65                                                          | 83                                                         | 85                                                      | 85                                                       |
| 318                   | 144                  | 44                   | 58                                              | 79                                                      | 61                                                       | 38                                              | 59                                                          | 72                                                         | 68                                                          | 86                                                         | 86                                                      | 86                                                       |
| 319                   | 145                  | 6                    | 58                                              | 82                                                      | 62                                                       | 38                                              | 60                                                          | 76                                                         | 70                                                          | 87                                                         | 87                                                      | 87                                                       |
| 320                   | 145                  | 27                   | 61                                              | 83                                                      | 63                                                       | 38                                              | 61                                                          | 78                                                         | 70                                                          | 88                                                         | 88                                                      | 88                                                       |
| 321                   | 145                  | 40                   | 62                                              | 85                                                      | 65                                                       | 38                                              | 61                                                          | 81                                                         | 70                                                          | 89                                                         | 89                                                      | 89                                                       |
| 322                   | 146                  | 10                   | 65                                              | 86                                                      | 66                                                       | 38                                              | 63                                                          | 83                                                         | 71                                                          | 90                                                         | 89                                                      | 89                                                       |
| 323                   | 146                  | 13                   | 67                                              | 89                                                      | 68                                                       | 38                                              | 66                                                          | 85                                                         | 72                                                          | 93                                                         | 91                                                      | 70                                                       |
| 324                   | 147                  | 34                   | 67                                              | 91                                                      | 69                                                       | 38                                              | 68                                                          | 88                                                         | 73                                                          | 93                                                         | 91                                                      | 69                                                       |
| 325                   | 147                  | 56                   | 67                                              | 92                                                      | 70                                                       | 38                                              | 68                                                          | 89                                                         | 74                                                          | 94                                                         | 91                                                      | 71                                                       |
| 326                   | 147                  | 17                   | 67                                              | 93                                                      | 72                                                       | 37                                              | 69                                                          | 91                                                         | 74                                                          | 95                                                         | 93                                                      | 72                                                       |
| 327                   | 148                  | 37                   | 69                                              | 95                                                      | 72                                                       | 37                                              | 69                                                          | 92                                                         | 76                                                          | 98                                                         | 97                                                      | 74                                                       |
| 328                   | 148                  | 39                   | 71                                              | 99                                                      | 72                                                       | 35                                              | 69                                                          | 94                                                         | 76                                                          | 101                                                        | 99                                                      | 74                                                       |
| 329                   | 148                  | 0                    | 71                                              | 100                                                     | 71                                                       | 35                                              | 69                                                          | 96                                                         | 75                                                          | 101                                                        | 101                                                     | 72                                                       |
| 330                   | 149                  | 21                   | 71                                              | 101                                                     | 70                                                       | 35                                              | 68                                                          | 97                                                         | 74                                                          | 101                                                        | 101                                                     | 71                                                       |
| 331                   | 149                  | 42                   | 70                                              | 100                                                     | 69                                                       | 35                                              | 68                                                          | 97                                                         | 74                                                          | 101                                                        | 101                                                     | 70                                                       |
| 332                   | 149                  | 42                   | 70                                              | 100                                                     | 69                                                       | 35                                              | 68                                                          | 97                                                         | 74                                                          | 101                                                        | 101                                                     | 70                                                       |
| 333                   | 150                  | 4                    | 70                                              | 100                                                     | 70                                                       | 36                                              | 68                                                          | 98                                                         | 74                                                          | 102                                                        | 101                                                     | 71                                                       |
| 334                   | 150                  | 25                   | 70                                              | 100                                                     | 70                                                       | 36                                              | 68                                                          | 98                                                         | 74                                                          | 102                                                        | 101                                                     | 72                                                       |
| 335                   | 150                  | 46                   | 69                                              | 101                                                     | 69                                                       | 36                                              | 68                                                          | 99                                                         | 74                                                          | 102                                                        | 102                                                     | 71                                                       |
| 336                   | 151                  | 5                    | 69                                              | 101                                                     | 69                                                       | 36                                              | 68                                                          | 99                                                         | 74                                                          | 102                                                        | 102                                                     | 70                                                       |
| 337                   | 151                  | 29                   | 69                                              | 101                                                     | 70                                                       | 36                                              | 68                                                          | 99                                                         | 74                                                          | 102                                                        | 102                                                     | 71                                                       |
| 338                   | 151                  | 29                   | 69                                              | 101                                                     | 70                                                       | 36                                              | 68                                                          | 99                                                         | 74                                                          | 102                                                        | 102                                                     | 71                                                       |
| 339                   | 152                  | 12                   | 69                                              | 77                                                      | 69                                                       | 35                                              | 67                                                          | 99                                                         | 72                                                          | 102                                                        | 102                                                     | 70                                                       |
| 340                   | 152                  | 33                   | 68                                              | 101                                                     | 69                                                       | 35                                              | 67                                                          | 99                                                         | 72                                                          | 102                                                        | 102                                                     | 70                                                       |
| 341                   | 152                  | 55                   | 68                                              | 101                                                     | 68                                                       | 35                                              | 66                                                          | 98                                                         | 72                                                          | 100                                                        | 101                                                     | 68                                                       |
| 342                   | 153                  | 16                   | 68                                              | 101                                                     | 68                                                       | 35                                              | 66                                                          | 98                                                         | 72                                                          | 100                                                        | 100                                                     | 68                                                       |
| 343                   | 153                  | 37                   | 68                                              | 101                                                     | 68                                                       | 35                                              | 66                                                          | 98                                                         | 71                                                          | 100                                                        | 101                                                     | 68                                                       |
| 344                   | 153                  | 59                   | 67                                              | 100                                                     | 67                                                       | 35                                              | 65                                                          | 98                                                         | 71                                                          | 100                                                        | 99                                                      | 67                                                       |
| 345                   | 154                  | 20                   | 67                                              | 100                                                     | 67                                                       | 35                                              | 65                                                          | 98                                                         | 70                                                          | 99                                                         | 99                                                      | 67                                                       |
| 346                   | 154                  | 41                   | 67                                              | 100                                                     | 66                                                       | 35                                              | 65                                                          | 98                                                         | 70                                                          | 98                                                         | 98                                                      | 66                                                       |
| 347                   | 154                  | 59                   | 66                                              | 99                                                      | 66                                                       | 35                                              | 65                                                          | 97                                                         | 69                                                          | 98                                                         | 98                                                      | 66                                                       |
| 348                   | 154                  | 24                   | 66                                              | 98                                                      | 66                                                       | 35                                              | 64                                                          | 97                                                         | 69                                                          | 98                                                         | 98                                                      | 66                                                       |
| 349                   | 155                  | 45                   | 66                                              | 98                                                      | 66                                                       | 35                                              | 64                                                          | 96                                                         | 68                                                          | 98                                                         | 98                                                      | 65                                                       |
| 350                   | 155                  | 6                    | 65                                              | 98                                                      | 65                                                       | 35                                              | 63                                                          | 96                                                         | 68                                                          | 97                                                         | 96                                                      | 65                                                       |
| 351                   | 155                  | 28                   | 65                                              | 97                                                      | 65                                                       | 35                                              | 63                                                          | 96                                                         | 68                                                          | 96                                                         | 96                                                      | 65                                                       |
| 352                   | 156                  | 49                   | 65                                              | 98                                                      | 65                                                       | 35                                              | 64                                                          | 96                                                         | 68                                                          | 96                                                         | 96                                                      | 65                                                       |
| 353                   | 157                  | 10                   | 65                                              | 97                                                      | 64                                                       | 34                                              | 62                                                          | 95                                                         | 67                                                          | 96                                                         | 96                                                      | 64                                                       |



| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG-1<br>OIL<br>TANK<br>1/3LEV<br>TEMP<br>DEG-C | 5-06<br>ENG-1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG-C | 5-07<br>ENG-1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG-C | 5-08<br>ENG-1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG-C | 5-09<br>ENG-1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG-C | 5-10<br>ENG-1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG-C | 5-11<br>ENG-2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG-C | 5-12<br>ENG-2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG-C | 5-13<br>ENG-2<br>COOLER<br>INLET<br>OIL<br>DEG-C | 5-14<br>ENG-2<br>COOLER<br>OUTLET<br>OIL<br>DEG-C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| 354                   | 197                  | 32                   | 64                                                      | 97                                                      | 64                                                       | 34                                                      | 62                                                          | 95                                                         | 67                                                          | 96                                                         | 96                                               | 64                                                |
| 355                   | 197                  | 53                   | 64                                                      | 96                                                      | 64                                                       | 34                                                      | 61                                                          | 95                                                         | 67                                                          | 95                                                         | 96                                               | 64                                                |
| 356                   | 198                  | 14                   | 64                                                      | 96                                                      | 64                                                       | 34                                                      | 62                                                          | 94                                                         | 67                                                          | 95                                                         | 95                                               | 63                                                |
| 357                   | 161                  | 24                   | 63                                                      | 95                                                      | 64                                                       | 34                                                      | 61                                                          | 93                                                         | 66                                                          | 94                                                         | 96                                               | 63                                                |
| 358                   | 165                  | 6                    | 61                                                      | 93                                                      | 62                                                       | 34                                                      | 60                                                          | 92                                                         | 65                                                          | 93                                                         | 94                                               | 62                                                |
| 359                   | 166                  | 46                   | 62                                                      | 93                                                      | 62                                                       | 34                                                      | 59                                                          | 92                                                         | 65                                                          | 93                                                         | 94                                               | 62                                                |
| 360                   | 168                  | 23                   | 61                                                      | 92                                                      | 60                                                       | 34                                                      | 59                                                          | 92                                                         | 64                                                          | 92                                                         | 92                                               | 61                                                |
| 361                   | 171                  | 48                   | 61                                                      | 91                                                      | 61                                                       | 34                                                      | 59                                                          | 92                                                         | 65                                                          | 93                                                         | 91                                               | 61                                                |
| 362                   | "                    | "                    | 61                                                      | 91                                                      | 60                                                       | 34                                                      | 59                                                          | 91                                                         | 65                                                          | 92                                                         | 91                                               | 61                                                |
| 363                   | "                    | "                    | "                                                       | "                                                       | "                                                        | "                                                       | 60                                                          | "                                                          | 65                                                          | 92                                                         | 90                                               | 61                                                |
| 364                   | 172                  | 9                    | "                                                       | "                                                       | "                                                        | "                                                       | "                                                           | "                                                          | "                                                           | 92                                                         | 89                                               | 59                                                |
| 365                   | 173                  | 12                   | 60                                                      | 90                                                      | 60                                                       | 34                                                      | 60                                                          | 91                                                         | 36                                                          | "                                                          | "                                                | "                                                 |
| 366                   | 173                  | 33                   | 60                                                      | 90                                                      | 60                                                       | 34                                                      | 60                                                          | 91                                                         | 36                                                          | 92                                                         | 89                                               | 59                                                |
| 367                   | 173                  | 54                   | 60                                                      | 89                                                      | 59                                                       | 34                                                      | 59                                                          | 91                                                         | 65                                                          | 92                                                         | 89                                               | 59                                                |
| 368                   | 174                  | 16                   | 59                                                      | 89                                                      | 59                                                       | 34                                                      | 59                                                          | 92                                                         | 65                                                          | 92                                                         | 89                                               | 59                                                |
| 369                   | 174                  | 37                   | 59                                                      | 90                                                      | 60                                                       | 35                                                      | 60                                                          | 92                                                         | 65                                                          | 93                                                         | 88                                               | 59                                                |
| 370                   | 174                  | 58                   | 59                                                      | 88                                                      | 58                                                       | 34                                                      | 59                                                          | 92                                                         | 64                                                          | 93                                                         | 87                                               | 59                                                |
| 371                   | 175                  | 19                   | 58                                                      | 88                                                      | 58                                                       | 34                                                      | 60                                                          | 91                                                         | 64                                                          | 93                                                         | 87                                               | 59                                                |
| 372                   | 175                  | 48                   | 58                                                      | 88                                                      | 58                                                       | 34                                                      | 60                                                          | 91                                                         | 64                                                          | 92                                                         | 86                                               | 59                                                |
| 373                   | 176                  | 1                    | 58                                                      | 86                                                      | 58                                                       | 35                                                      | 60                                                          | 91                                                         | 64                                                          | 92                                                         | 87                                               | 60                                                |
| 374                   | 176                  | 22                   | 58                                                      | 85                                                      | 58                                                       | 35                                                      | 61                                                          | 90                                                         | 66                                                          | 92                                                         | 87                                               | 60                                                |
| 375                   | 176                  | 43                   | 58                                                      | 85                                                      | 58                                                       | 35                                                      | 61                                                          | 90                                                         | 66                                                          | 92                                                         | 87                                               | 60                                                |
| 376                   | 177                  | 4                    | 58                                                      | 86                                                      | 59                                                       | 35                                                      | 62                                                          | 91                                                         | 67                                                          | 93                                                         | 86                                               | 60                                                |
| 377                   | 177                  | 25                   | 59                                                      | 86                                                      | 58                                                       | 34                                                      | 61                                                          | 91                                                         | 66                                                          | 93                                                         | 88                                               | 59                                                |
| 378                   | 177                  | 46                   | 59                                                      | 86                                                      | 59                                                       | 35                                                      | 61                                                          | 91                                                         | 66                                                          | 93                                                         | 88                                               | 61                                                |
| 379                   | 178                  | 7                    | 59                                                      | 86                                                      | 59                                                       | 35                                                      | 62                                                          | 92                                                         | 67                                                          | 94                                                         | 88                                               | 60                                                |
| 380                   | 178                  | 28                   | 59                                                      | 88                                                      | 59                                                       | 35                                                      | 62                                                          | 92                                                         | 68                                                          | 94                                                         | 89                                               | 61                                                |
| 381                   | 178                  | 49                   | 50                                                      | 88                                                      | 61                                                       | 36                                                      | 64                                                          | 93                                                         | 67                                                          | 95                                                         | 89                                               | 61                                                |
| 382                   | 179                  | 11                   | 51                                                      | 89                                                      | 61                                                       | 35                                                      | 64                                                          | 93                                                         | 67                                                          | 95                                                         | 89                                               | 62                                                |
| 383                   | 179                  | 32                   | 51                                                      | 91                                                      | 63                                                       | 36                                                      | 65                                                          | 93                                                         | 69                                                          | 96                                                         | 90                                               | 62                                                |
| 384                   | 179                  | 53                   | 51                                                      | 91                                                      | 63                                                       | 35                                                      | 65                                                          | 92                                                         | 69                                                          | 95                                                         | 89                                               | 62                                                |
| 385                   | 180                  | 15                   | 51                                                      | 89                                                      | 63                                                       | 35                                                      | 63                                                          | 93                                                         | 68                                                          | 95                                                         | 90                                               | 62                                                |
| 386                   | 180                  | 36                   | 62                                                      | 90                                                      | 63                                                       | 35                                                      | 63                                                          | 92                                                         | 69                                                          | 95                                                         | 90                                               | 63                                                |
| 387                   | 180                  | 58                   | 62                                                      | 90                                                      | 63                                                       | 35                                                      | 64                                                          | 93                                                         | 68                                                          | 95                                                         | 90                                               | 63                                                |
| 388                   | 181                  | 10                   | 62                                                      | 89                                                      | 62                                                       | 35                                                      | 64                                                          | 92                                                         | 69                                                          | 95                                                         | 88                                               | 62                                                |
| 389                   | 181                  | 40                   | 62                                                      | 88                                                      | 63                                                       | 35                                                      | 65                                                          | 92                                                         | 69                                                          | 95                                                         | 88                                               | 62                                                |
| 390                   | 182                  | 2                    | 62                                                      | 88                                                      | 62                                                       | 35                                                      | 64                                                          | 91                                                         | 70                                                          | 95                                                         | 89                                               | 63                                                |
| 391                   | 182                  | 23                   | 62                                                      | 88                                                      | 64                                                       | 35                                                      | 65                                                          | 92                                                         | 70                                                          | 95                                                         | 89                                               | 64                                                |
| 392                   | 182                  | 45                   | 63                                                      | 89                                                      | 65                                                       | 35                                                      | 65                                                          | 92                                                         | 71                                                          | 95                                                         | 89                                               | 64                                                |
| 393                   | 183                  | 6                    | 65                                                      | 92                                                      | 68                                                       | 35                                                      | 66                                                          | 93                                                         | 73                                                          | 96                                                         | 92                                               | 68                                                |
| 394                   | 183                  | 28                   | 66                                                      | 95                                                      | 69                                                       | 35                                                      | 67                                                          | 94                                                         | 73                                                          | 97                                                         | 95                                               | 71                                                |
| 395                   | 183                  | 49                   | 66                                                      | 95                                                      | 69                                                       | 35                                                      | 68                                                          | 95                                                         | 75                                                          | 98                                                         | 95                                               | 70                                                |
| 396                   | 184                  | 11                   | 68                                                      | 93                                                      | 71                                                       | 35                                                      | 71                                                          | 94                                                         | 75                                                          | 98                                                         | 94                                               | "                                                 |
| 397                   | 184                  | 37                   | 69                                                      | 92                                                      | 66                                                       | "                                                       | "                                                           | "                                                          | "                                                           | "                                                          | "                                                | "                                                 |
| 398                   | "                    | "                    | "                                                       | "                                                       | "                                                        | 36                                                      | 55                                                          | 69                                                         | 74                                                          | 97                                                         | 96                                               | 72                                                |
| 399                   | "                    | "                    | 50                                                      | 81                                                      | 59                                                       | 37                                                      | 56                                                          | 73                                                         | 74                                                          | 97                                                         | 95                                               | 71                                                |
| 400                   | 191                  | 24                   | 50                                                      | 82                                                      | 61                                                       | 37                                                      | 58                                                          | 76                                                         | 74                                                          | 97                                                         | 94                                               | 70                                                |
| 401                   | 191                  | 45                   | 51                                                      | 83                                                      | 61                                                       | 36                                                      | 60                                                          | 79                                                         | 74                                                          | 97                                                         | 93                                               | 70                                                |
| 402                   | 192                  | 7                    | 51                                                      | 85                                                      | 62                                                       | 36                                                      | 61                                                          | 81                                                         | 73                                                          | 97                                                         | 94                                               | 71                                                |
| 403                   | 192                  | 29                   | 51                                                      | 86                                                      | 63                                                       | 36                                                      | 60                                                          | 82                                                         | 73                                                          | 97                                                         | 94                                               | 71                                                |

| SHIP<br>TIME | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|--------------|----------------------|----------------------|-----------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 404          | 192                  | 20                   | 52                                            | 89                                                      | 65                                                       | 35                                                      | 61                                                          | 85                                                         | 74                                                          | 98                                                         | 97                                                      | 71                                                       |
| 405          | 193                  | 11                   | 54                                            | 92                                                      | 65                                                       | 35                                                      | 61                                                          | 87                                                         | 73                                                          | 99                                                         | 99                                                      | 71                                                       |
| 406          | 193                  | 32                   | 65                                            | 94                                                      | 64                                                       | 35                                                      | 61                                                          | 89                                                         | 72                                                          | 100                                                        | 99                                                      | 68                                                       |
| 407          | 193                  | 54                   | 64                                            | 95                                                      | 64                                                       | 35                                                      | 62                                                          | 90                                                         | 71                                                          | 99                                                         | 99                                                      | 67                                                       |
| 408          | 194                  | 15                   | 64                                            | 95                                                      | 63                                                       | 35                                                      | 62                                                          | 91                                                         | 71                                                          | 99                                                         | 98                                                      | 66                                                       |
| 409          | 194                  | 37                   | 64                                            | 94                                                      | 64                                                       | 35                                                      | 61                                                          | 92                                                         | 70                                                          | 98                                                         | 98                                                      | 66                                                       |
| 410          | 194                  | 58                   | 64                                            | 94                                                      | 63                                                       | 35                                                      | 62                                                          | 92                                                         | 69                                                          | 98                                                         | 97                                                      | 66                                                       |
| 411          | 195                  | 20                   | 53                                            | 95                                                      | 63                                                       | 35                                                      | 62                                                          | 93                                                         | 69                                                          | 98                                                         | 96                                                      | 66                                                       |
| 412          | 195                  | 41                   | 53                                            | 93                                                      | 63                                                       | 34                                                      | 63                                                          | 93                                                         | 69                                                          | 98                                                         | 97                                                      | 65                                                       |
| 413          | 195                  | 3                    | 53                                            | 93                                                      | 64                                                       | 33                                                      | 62                                                          | 93                                                         | 68                                                          | 98                                                         | 96                                                      | 64                                                       |
| 414          | 196                  | 24                   | 52                                            | 93                                                      | 62                                                       | 33                                                      | 63                                                          | 0                                                          | *                                                           | *                                                          | *                                                       | *                                                        |
| 415          | *                    | *                    | *                                             | *                                                       | *                                                        | *                                                       | *                                                           | *                                                          | 69                                                          | 97                                                         | 96                                                      | 65                                                       |
| 416          | *                    | *                    | 1                                             | 96                                                      | 65                                                       | 32                                                      | 55                                                          | 96                                                         | 71                                                          | 97                                                         | 96                                                      | 66                                                       |
| 417          | 204                  | 8                    | 85                                            | 97                                                      | 65                                                       | 32                                                      | 66                                                          | 96                                                         | 71                                                          | 99                                                         | 97                                                      | 66                                                       |
| 418          | 204                  | 30                   | 53                                            | 97                                                      | 65                                                       | 32                                                      | 66                                                          | 97                                                         | 71                                                          | 99                                                         | 97                                                      | 66                                                       |
| 419          | 209                  | 29                   | 53                                            | 98                                                      | 70                                                       | 34                                                      | 71                                                          | 100                                                        | 75                                                          | 103                                                        | 99                                                      | 71                                                       |
| 420          | 209                  | 50                   | 70                                            | 99                                                      | 71                                                       | 34                                                      | 71                                                          | 101                                                        | 77                                                          | 104                                                        | 98                                                      | 71                                                       |
| 421          | 210                  | 11                   | 73                                            | 99                                                      | 71                                                       | 35                                                      | 72                                                          | 102                                                        | 77                                                          | 103                                                        | 100                                                     | 71                                                       |
| 422          | 213                  | 12                   | 70                                            | 99                                                      | 70                                                       | 34                                                      | 71                                                          | 102                                                        | 77                                                          | 104                                                        | 100                                                     | 71                                                       |
| 423          | 213                  | 34                   | 70                                            | 99                                                      | 70                                                       | 35                                                      | 71                                                          | 101                                                        | 76                                                          | 104                                                        | 100                                                     | 71                                                       |
| 424          | 213                  | 55                   | 69                                            | 99                                                      | 69                                                       | 35                                                      | 71                                                          | 101                                                        | 77                                                          | 104                                                        | 99                                                      | 71                                                       |
| 425          | 213                  | 10                   | 59                                            | 99                                                      | 69                                                       | 36                                                      | 72                                                          | 101                                                        | 78                                                          | 104                                                        | 103                                                     | 73                                                       |
| 426          | 213                  | 31                   | 59                                            | 99                                                      | 69                                                       | 36                                                      | 72                                                          | 101                                                        | 78                                                          | 104                                                        | 103                                                     | 73                                                       |
| 427          | 213                  | 52                   | 59                                            | 99                                                      | 69                                                       | 36                                                      | 72                                                          | 101                                                        | 78                                                          | 104                                                        | 103                                                     | 73                                                       |
| 428          | 213                  | 14                   | 59                                            | 99                                                      | 69                                                       | 36                                                      | 69                                                          | 93                                                         | 79                                                          | 106                                                        | 106                                                     | 75                                                       |
| 429          | 213                  | 36                   | 56                                            | 99                                                      | 69                                                       | 36                                                      | 67                                                          | 89                                                         | 79                                                          | 106                                                        | 106                                                     | 77                                                       |
| 430          | 213                  | 56                   | 56                                            | 99                                                      | 69                                                       | 36                                                      | 66                                                          | 86                                                         | 79                                                          | 106                                                        | 106                                                     | 77                                                       |
| 431          | 213                  | 17                   | 55                                            | 97                                                      | 62                                                       | 37                                                      | *                                                           | *                                                          | *                                                           | *                                                          | *                                                       | *                                                        |
| 432          | 215                  | 0                    | 57                                            | 97                                                      | 62                                                       | 37                                                      | 63                                                          | 82                                                         | 79                                                          | 107                                                        | 111                                                     | 78                                                       |
| 433          | 215                  | 21                   | 57                                            | 97                                                      | 62                                                       | 37                                                      | 62                                                          | 80                                                         | 80                                                          | 108                                                        | 111                                                     | 78                                                       |
| 434          | 215                  | 43                   | 51                                            | 92                                                      | 61                                                       | 37                                                      | 61                                                          | 78                                                         | 81                                                          | 108                                                        | 111                                                     | 79                                                       |
| 435          | 215                  | 5                    | 50                                            | 91                                                      | 61                                                       | 36                                                      | 59                                                          | 76                                                         | 80                                                          | 108                                                        | 111                                                     | 79                                                       |
| 436          | 215                  | 26                   | 50                                            | 91                                                      | 60                                                       | 36                                                      | 59                                                          | 75                                                         | 80                                                          | 108                                                        | 112                                                     | 79                                                       |
| 437          | 216                  | 47                   | 59                                            | 91                                                      | 60                                                       | 36                                                      | 59                                                          | 75                                                         | 81                                                          | 108                                                        | 113                                                     | 80                                                       |
| 438          | 217                  | 3                    | 59                                            | 91                                                      | 60                                                       | 36                                                      | 58                                                          | 74                                                         | 81                                                          | 108                                                        | 113                                                     | 80                                                       |
| 439          | 217                  | 31                   | 59                                            | 91                                                      | 60                                                       | 36                                                      | 58                                                          | 73                                                         | 81                                                          | 108                                                        | 112                                                     | 80                                                       |
| 440          | 217                  | 52                   | 59                                            | 91                                                      | 60                                                       | 37                                                      | 57                                                          | 72                                                         | 80                                                          | 108                                                        | 113                                                     | 79                                                       |
| 441          | 217                  | 52                   | 59                                            | 91                                                      | 60                                                       | 37                                                      | 56                                                          | 72                                                         | 81                                                          | 109                                                        | 113                                                     | 81                                                       |
| 442          | 217                  | 15                   | 59                                            | 91                                                      | 60                                                       | 37                                                      | 56                                                          | 70                                                         | 80                                                          | 109                                                        | 113                                                     | 80                                                       |
| 443          | 218                  | 38                   | 59                                            | 91                                                      | 60                                                       | 37                                                      | 56                                                          | 70                                                         | 80                                                          | 109                                                        | 113                                                     | 80                                                       |
| 444          | 218                  | 58                   | 59                                            | 91                                                      | 60                                                       | 37                                                      | 56                                                          | 71                                                         | 81                                                          | 109                                                        | 114                                                     | 81                                                       |
| 445          | 219                  | 39                   | 59                                            | 91                                                      | 60                                                       | 37                                                      | 56                                                          | 69                                                         | 81                                                          | 109                                                        | 114                                                     | 81                                                       |
| 446          | 219                  | 50                   | 57                                            | 91                                                      | 60                                                       | 36                                                      | 55                                                          | 69                                                         | 81                                                          | 109                                                        | 115                                                     | 81                                                       |
| 447          | 220                  | 22                   | 57                                            | 91                                                      | 60                                                       | 37                                                      | 55                                                          | 68                                                         | 80                                                          | 109                                                        | 115                                                     | 81                                                       |
| 448          | 220                  | 44                   | 57                                            | 91                                                      | 60                                                       | 37                                                      | 55                                                          | 68                                                         | 80                                                          | 109                                                        | 115                                                     | 81                                                       |
| 449          | 220                  | 57                   | 57                                            | 91                                                      | 60                                                       | 37                                                      | 55                                                          | 68                                                         | 80                                                          | 109                                                        | 115                                                     | 81                                                       |
| 450          | 221                  | 27                   | 57                                            | 91                                                      | 60                                                       | 37                                                      | 55                                                          | 68                                                         | 80                                                          | 109                                                        | 115                                                     | 81                                                       |
| 451          | 221                  | 47                   | 57                                            | 91                                                      | 60                                                       | 36                                                      | 55                                                          | 68                                                         | 80                                                          | 109                                                        | 115                                                     | 80                                                       |
| 452          | 222                  | 10                   | 57                                            | 91                                                      | 60                                                       | 37                                                      | 55                                                          | 68                                                         | 80                                                          | 109                                                        | 115                                                     | 81                                                       |
| 453          | 222                  | 31                   | 57                                            | 91                                                      | 60                                                       | 37                                                      | 55                                                          | 69                                                         | 80                                                          | 109                                                        | 114                                                     | 81                                                       |

| SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-04                                             |                                                 | 5-05                                            |                                                 | 5-06                                            |                                                 | 5-07                                            |                                                 | 5-08                                            |                                                 | 5-09                                            |                                                 | 5-10                                            |                                                 | 5-11                                            |                                                 | 5-12                                            |                                                 | 5-13                                            |                                                 | 5-14                                            |                                                 |
|----------------|----------------------|----------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
|                |                      |                      | ENG.1<br>OIL<br>TANK<br>1/3-LEV<br>TEMP<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C |
| 454            | 222                  | 52                   | 58                                               | 76                                              | 59                                              | 37                                              | 57                                              | 72                                              | 81                                              | 109                                             | 114                                             | 80                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 455            | 223                  | 14                   | 58                                               | 79                                              | 59                                              | 37                                              | 59                                              | 75                                              | 80                                              | 109                                             | 113                                             | 80                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 456            | 223                  | 35                   | 58                                               | 80                                              | 44                                              | *                                               | *                                               | *                                               | *                                               | *                                               | *                                               | *                                               |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 457            | 223                  | 57                   | 59                                               | 81                                              | 60                                              | 36                                              | 60                                              | 78                                              | 80                                              | 108                                             | 113                                             | 79                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 458            | 224                  | 19                   | 59                                               | 82                                              | 60                                              | 36                                              | 61                                              | 79                                              | 79                                              | 107                                             | 112                                             | 79                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 459            | 224                  | 40                   | 59                                               | 82                                              | 61                                              | 36                                              | 61                                              | 81                                              | 79                                              | 106                                             | 113                                             | 79                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 460            | 225                  | 2                    | 60                                               | 83                                              | 61                                              | 36                                              | 61                                              | 81                                              | 79                                              | 106                                             | 112                                             | 79                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 461            | 225                  | 24                   | 61                                               | 84                                              | 62                                              | 36                                              | 62                                              | 82                                              | 78                                              | 106                                             | 112                                             | 79                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 462            | 225                  | 45                   | 61                                               | 85                                              | 62                                              | 36                                              | 63                                              | 84                                              | 78                                              | 106                                             | *                                               | *                                               |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 463            | 225                  | *                    | 62                                               | 86                                              | 63                                              | 36                                              | 63                                              | 85                                              | 78                                              | 105                                             | 118                                             | 78                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 464            | 226                  | 28                   | 63                                               | 88                                              | 64                                              | 36                                              | 64                                              | 86                                              | 77                                              | 104                                             | 118                                             | 77                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 465            | 226                  | 58                   | 63                                               | 89                                              | 64                                              | 36                                              | 64                                              | 88                                              | 77                                              | 103                                             | 118                                             | 77                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 466            | 227                  | 12                   | 64                                               | 89                                              | 65                                              | 36                                              | 64                                              | 88                                              | 76                                              | 103                                             | 109                                             | 76                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 467            | 227                  | 34                   | 65                                               | 89                                              | 65                                              | 36                                              | 65                                              | 89                                              | 77                                              | 103                                             | 109                                             | 76                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 468            | 227                  | 55                   | *                                                | *                                               | *                                               | *                                               | *                                               | *                                               | *                                               | *                                               | *                                               | 76                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 469            | 228                  | 17                   | 65                                               | 89                                              | 65                                              | 36                                              | 65                                              | 89                                              | 76                                              | 102                                             | 109                                             | 76                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 470            | 228                  | 39                   | 65                                               | 89                                              | 65                                              | 36                                              | 65                                              | 89                                              | 76                                              | 102                                             | 108                                             | 76                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 471            | 229                  | 1                    | 65                                               | 90                                              | 65                                              | 36                                              | 65                                              | 90                                              | 76                                              | 102                                             | 108                                             | 75                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 472            | 229                  | 23                   | 65                                               | 90                                              | 65                                              | 36                                              | 65                                              | 90                                              | 76                                              | 101                                             | 108                                             | 75                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 473            | 229                  | 44                   | 65                                               | 90                                              | 65                                              | 36                                              | 65                                              | 91                                              | *                                               | *                                               | *                                               | *                                               |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 474            | 230                  | 6                    | 65                                               | 90                                              | 66                                              | 36                                              | 66                                              | 91                                              | 76                                              | 101                                             | 107                                             | 75                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 475            | 230                  | 28                   | 65                                               | 91                                              | 66                                              | 36                                              | 66                                              | 92                                              | 76                                              | 101                                             | 107                                             | 75                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 476            | 230                  | 49                   | 66                                               | 95                                              | 70                                              | 35                                              | 66                                              | 92                                              | 75                                              | 101                                             | 102                                             | 71                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 477            | 231                  | 11                   | 68                                               | 99                                              | 71                                              | 36                                              | 69                                              | 95                                              | 72                                              | 94                                              | 99                                              | 70                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 478            | 231                  | 32                   | 68                                               | 101                                             | 72                                              | 37                                              | 70                                              | 99                                              | 69                                              | 97                                              | 97                                              | 68                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 479            | 231                  | 64                   | *                                                | *                                               | *                                               | *                                               | *                                               | *                                               | *                                               | *                                               | 95                                              | 66                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 480            | 232                  | 14                   | 72                                               | 103                                             | 74                                              | 36                                              | 72                                              | 108                                             | 65                                              | 83                                              | 92                                              | 65                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 481            | 232                  | 36                   | 72                                               | 103                                             | 74                                              | 36                                              | 72                                              | 108                                             | 64                                              | 80                                              | 92                                              | 65                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 482            | 232                  | 58                   | 73                                               | 105                                             | 74                                              | 36                                              | 72                                              | 108                                             | 64                                              | 80                                              | 89                                              | 63                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 483            | 233                  | 1                    | 75                                               | 105                                             | 74                                              | 36                                              | 72                                              | 108                                             | 62                                              | 78                                              | 87                                              | 62                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 484            | 233                  | 23                   | 75                                               | 107                                             | 77                                              | 36                                              | 74                                              | 108                                             | 61                                              | 75                                              | 86                                              | 61                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 485            | 234                  | 45                   | 75                                               | 107                                             | 77                                              | 36                                              | 74                                              | 104                                             | 68                                              | 75                                              | 86                                              | 61                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 486            | 234                  | 67                   | 76                                               | 107                                             | 76                                              | 36                                              | 73                                              | 104                                             | 59                                              | 73                                              | 83                                              | 59                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 487            | 234                  | 89                   | 76                                               | 109                                             | 77                                              | 35                                              | 73                                              | 104                                             | 58                                              | 72                                              | 82                                              | 59                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 488            | 234                  | 11                   | 76                                               | 109                                             | 77                                              | 36                                              | 73                                              | 105                                             | 57                                              | 71                                              | 81                                              | 58                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 489            | 234                  | 33                   | 77                                               | 110                                             | 78                                              | 36                                              | 74                                              | 105                                             | 57                                              | 70                                              | 81                                              | 58                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 490            | 234                  | 55                   | 77                                               | 111                                             | 78                                              | 36                                              | 74                                              | 105                                             | *                                               | *                                               | *                                               | *                                               |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 491            | 235                  | 77                   | 77                                               | 111                                             | 77                                              | 36                                              | 75                                              | 106                                             | 58                                              | 70                                              | 81                                              | 59                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 492            | 235                  | 99                   | 78                                               | 110                                             | 77                                              | 36                                              | 75                                              | 106                                             | 59                                              | 73                                              | 81                                              | 60                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 493            | 236                  | 12                   | 76                                               | 109                                             | 76                                              | 36                                              | 75                                              | 105                                             | 61                                              | 77                                              | 82                                              | 61                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 494            | 236                  | 33                   | 76                                               | 108                                             | 76                                              | 36                                              | 75                                              | 105                                             | 61                                              | 77                                              | 82                                              | 61                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 495            | 236                  | 55                   | 76                                               | 108                                             | 76                                              | 36                                              | 74                                              | 105                                             | 62                                              | 78                                              | 83                                              | 61                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 496            | 236                  | *                    | 76                                               | 108                                             | 76                                              | 36                                              | 74                                              | 105                                             | 63                                              | 81                                              | 85                                              | 62                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 497            | 237                  | 18                   | 76                                               | 109                                             | 77                                              | 36                                              | 75                                              | 105                                             | 64                                              | 82                                              | 85                                              | 62                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 498            | 237                  | 40                   | 76                                               | 109                                             | 77                                              | 36                                              | 75                                              | 105                                             | 65                                              | 83                                              | 86                                              | 62                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 499            | 237                  | 62                   | 76                                               | 109                                             | 77                                              | 36                                              | 74                                              | 105                                             | 66                                              | 83                                              | 86                                              | 63                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 500            | 238                  | 84                   | 76                                               | 109                                             | 77                                              | 36                                              | 75                                              | 105                                             | 66                                              | 85                                              | 86                                              | 63                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 501            | 238                  | 106                  | 76                                               | 109                                             | 77                                              | 36                                              | 75                                              | 105                                             | 66                                              | 85                                              | 86                                              | 63                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 502            | 239                  | 128                  | 77                                               | 109                                             | 77                                              | 36                                              | 74                                              | 105                                             | 67                                              | 86                                              | 87                                              | 63                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 503            | 239                  | 150                  | 77                                               | 109                                             | 77                                              | 36                                              | 74                                              | 105                                             | 67                                              | 86                                              | 87                                              | 63                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 504            | 240                  | 172                  | 76                                               | 107                                             | 76                                              | 36                                              | 74                                              | 105                                             | 68                                              | 87                                              | 88                                              | 64                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 505            | 240                  | 194                  | 76                                               | 107                                             | 76                                              | 36                                              | 74                                              | 104                                             | 69                                              | 88                                              | 89                                              | 64                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 506            | 240                  | 216                  | 76                                               | 107                                             | 76                                              | 36                                              | 74                                              | 103                                             | 69                                              | 89                                              | 89                                              | 65                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |
| 507            | 240                  | 238                  | 76                                               | 107                                             | 76                                              | 36                                              | 73                                              | 103                                             | 70                                              | 90                                              | 88                                              | 65                                              |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |                                                 |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 504                   | 240                  | 54                   | 76                                            | 107                                                     | 76                                                       | 36                                                      | 73                                                          | 102                                                        | 70                                                          | 91                                                         | 89                                                      | 66                                                       |
| 505                   | 241                  | 15                   | 75                                            | 106                                                     | 76                                                       | 36                                                      | 74                                                          | 103                                                        | 71                                                          | 92                                                         | 91                                                      | 67                                                       |
| 506                   | 241                  | 37                   | 75                                            | 105                                                     | 75                                                       | 36                                                      | 72                                                          | 102                                                        | 71                                                          | 92                                                         | 92                                                      | 67                                                       |
| 507                   | 241                  | 59                   | 75                                            | 105                                                     | 74                                                       | 36                                                      | 73                                                          | 102                                                        | 71                                                          | 93                                                         | 93                                                      | 68                                                       |
| 508                   | 242                  | 20                   | 74                                            | 104                                                     | 74                                                       | 36                                                      | 72                                                          | 101                                                        | 72                                                          | 95                                                         | 93                                                      | 69                                                       |
| 509                   | 242                  | 42                   | 74                                            | 103                                                     | 73                                                       | 37                                                      | 72                                                          | 101                                                        | 72                                                          | 96                                                         | 96                                                      | 70                                                       |
| 510                   | 243                  | 4                    | 73                                            | 103                                                     | 73                                                       | 37                                                      | 72                                                          | 101                                                        | 73                                                          | 96                                                         | 96                                                      | 70                                                       |
| 511                   | 243                  | 25                   | 74                                            | 103                                                     | 73                                                       | 37                                                      | 72                                                          | 102                                                        | 73                                                          | 97                                                         | 98                                                      | 70                                                       |
| 512                   | 243                  | 47                   | 73                                            | 103                                                     | 73                                                       | 37                                                      | 72                                                          | 101                                                        | 73                                                          | 98                                                         | 99                                                      | 71                                                       |
| 513                   | 243                  | 0                    | 72                                            | 102                                                     | 72                                                       | 37                                                      | 72                                                          | 101                                                        | 74                                                          | 99                                                         | 101                                                     | 71                                                       |
| 514                   | 244                  | 30                   | 73                                            | 103                                                     | 73                                                       | 37                                                      | 72                                                          | 102                                                        | 74                                                          | 100                                                        | 100                                                     | 71                                                       |
| 515                   | 244                  | 51                   | 77                                            | 103                                                     | 72                                                       | 37                                                      | 72                                                          | 101                                                        | 75                                                          | 100                                                        | 101                                                     | 72                                                       |
| 516                   | 245                  | 13                   | 72                                            | 101                                                     | 72                                                       | 37                                                      | 72                                                          | 102                                                        | 75                                                          | 100                                                        | 100                                                     | 72                                                       |
| 517                   | 245                  | 34                   | 72                                            | 101                                                     | 72                                                       | 37                                                      | 72                                                          | 101                                                        | 75                                                          | 101                                                        | 101                                                     | 72                                                       |
| 518                   | 245                  | 56                   | 71                                            | 101                                                     | 72                                                       | 37                                                      | 72                                                          | 101                                                        | 75                                                          | 101                                                        | 101                                                     | 72                                                       |
| 519                   | 246                  | 17                   | 71                                            | 102                                                     | 72                                                       | 37                                                      | 72                                                          | 101                                                        | 75                                                          | 101                                                        | 102                                                     | 72                                                       |
| 520                   | 246                  | 39                   | 71                                            | 102                                                     | 72                                                       | 36                                                      | 72                                                          | 101                                                        | 76                                                          | 101                                                        | 102                                                     | 72                                                       |
| 521                   | 247                  | 0                    | 72                                            | 102                                                     | 72                                                       | 36                                                      | 72                                                          | 101                                                        | 75                                                          | 101                                                        | 103                                                     | 72                                                       |
| 522                   | 247                  | 22                   | 71                                            | 102                                                     | 72                                                       | 37                                                      | 72                                                          | 101                                                        | 76                                                          | 102                                                        | 104                                                     | 73                                                       |
| 523                   | 247                  | 43                   | 72                                            | 102                                                     | 73                                                       | 37                                                      | 72                                                          | 101                                                        | 76                                                          | 101                                                        | 104                                                     | 74                                                       |
| 524                   | 248                  | 5                    | 72                                            | 102                                                     | 73                                                       | 36                                                      | 73                                                          | 101                                                        | 76                                                          | 103                                                        | 103                                                     | 73                                                       |
| 525                   | 248                  | 27                   | 72                                            | 103                                                     | 73                                                       | 37                                                      | 73                                                          | 101                                                        | 77                                                          | 102                                                        | 103                                                     | 74                                                       |
| 526                   | 248                  | 49                   | 72                                            | 100                                                     | 73                                                       | 37                                                      | 72                                                          | 101                                                        | 77                                                          | 102                                                        | 103                                                     | 73                                                       |
| 527                   | 249                  | 10                   | 72                                            | 100                                                     | 73                                                       | 37                                                      | 72                                                          | 101                                                        | 78                                                          | 102                                                        | 103                                                     | 73                                                       |
| 528                   | 249                  | 31                   | 73                                            | 100                                                     | 73                                                       | 38                                                      | 73                                                          | 101                                                        | 78                                                          | 102                                                        | 103                                                     | 73                                                       |
| 529                   | 249                  | 53                   | 72                                            | 98                                                      | 74                                                       | 38                                                      | 73                                                          | 100                                                        | 78                                                          | 101                                                        | 101                                                     | 75                                                       |
| 530                   | 250                  | 14                   | 74                                            | 99                                                      | 75                                                       | 38                                                      | 75                                                          | 101                                                        | 80                                                          | 102                                                        | 101                                                     | 77                                                       |
| 531                   | 250                  | 36                   | 74                                            | 98                                                      | 75                                                       | 38                                                      | 75                                                          | 100                                                        | 80                                                          | 102                                                        | 100                                                     | 76                                                       |
| 532                   | 250                  | 57                   | 75                                            | 100                                                     | 76                                                       | 38                                                      | 75                                                          | 100                                                        | 80                                                          | 102                                                        | 101                                                     | 77                                                       |
| 533                   | 251                  | 19                   | 75                                            | 100                                                     | 76                                                       | 38                                                      | 75                                                          | 100                                                        | 80                                                          | 102                                                        | 101                                                     | 77                                                       |
| 534                   | 251                  | 40                   | 76                                            | 100                                                     | 76                                                       | 38                                                      | 76                                                          | 99                                                         | 80                                                          | 101                                                        | 101                                                     | 78                                                       |
| 535                   | 252                  | 2                    | 77                                            | 100                                                     | 77                                                       | 38                                                      | 76                                                          | 99                                                         | 81                                                          | 101                                                        | 100                                                     | 77                                                       |
| 536                   | 252                  | 24                   | 77                                            | 101                                                     | 77                                                       | 39                                                      | 75                                                          | 99                                                         | 81                                                          | 102                                                        | 101                                                     | 73                                                       |
| 537                   | 252                  | 45                   | 77                                            | 101                                                     | 78                                                       | 39                                                      | 76                                                          | 99                                                         | 81                                                          | 102                                                        | 101                                                     | 76                                                       |
| 538                   | 253                  | 7                    | 77                                            | 101                                                     | 78                                                       | 39                                                      | 76                                                          | 99                                                         | 81                                                          | 103                                                        | 101                                                     | 78                                                       |
| 539                   | 253                  | 28                   | 78                                            | 102                                                     | 77                                                       | 39                                                      | 75                                                          | 99                                                         | 81                                                          | 102                                                        | 102                                                     | 78                                                       |
| 540                   | 254                  | 12                   | 78                                            | 99                                                      | 79                                                       | 39                                                      | 75                                                          | 96                                                         | 82                                                          | 103                                                        | 102                                                     | 79                                                       |
| 541                   | 254                  | 25                   | 79                                            | 101                                                     | 79                                                       | 40                                                      | 75                                                          | 92                                                         | 83                                                          | 103                                                        | 103                                                     | 81                                                       |
| 542                   | 254                  | 46                   | 78                                            | 98                                                      | 85                                                       | 41                                                      | 75                                                          | 91                                                         | 83                                                          | 103                                                        | 101                                                     | 80                                                       |
| 543                   | 254                  | 56                   | 78                                            | 98                                                      | 89                                                       | 41                                                      | 75                                                          | 91                                                         | 83                                                          | 103                                                        | 101                                                     | 80                                                       |
| 544                   | 255                  | 17                   | 78                                            | 96                                                      | 89                                                       | 41                                                      | 76                                                          | 90                                                         | 83                                                          | 98                                                         | 100                                                     | 93                                                       |

HH-53C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-15<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-16<br>MAIN<br>G.BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G.BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER-<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-22J<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTMLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>AFTAIR<br>LEFT<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
| 300                   | 141                  | 10                   | 63                                                    | 39                                                       | 40                                                        | 37                                                    | 40                                                  | 37                                                         | 36                                                        | 36                                                        | 41                                                         | 40                                                        |
| 309                   | 141                  | 32                   | 64                                                    | 42                                                       | 40                                                        | 38                                                    | 40                                                  | 37                                                         | 37                                                        | 36                                                        | 42                                                         | 40                                                        |
| 310                   | 141                  | 51                   | 54                                                    | 52                                                       | 51                                                        | 38                                                    | 42                                                  | 37                                                         | 36                                                        | 37                                                        | 42                                                         | 40                                                        |
| 311                   | 142                  | 14                   | 70                                                    | 56                                                       | 52                                                        | 39                                                    | 42                                                  | 37                                                         | 36                                                        | 36                                                        | 41                                                         | 41                                                        |
| 312                   | 142                  | 36                   | 8                                                     | *                                                        | *                                                         | *                                                     | *                                                   | *                                                          | *                                                         | 36                                                        | 41                                                         | 48                                                        |
| 313                   | 142                  | 57                   | 65                                                    | 56                                                       | 52                                                        | 39                                                    | 45                                                  | 37                                                         | 36                                                        | 32                                                        | 41                                                         | *                                                         |
| 314                   | 143                  | 19                   | 65                                                    | 58                                                       | 52                                                        | 38                                                    | 49                                                  | 36                                                         | 36                                                        | 36                                                        | 41                                                         | 39                                                        |
| 315                   | 143                  | 40                   | 66                                                    | 59                                                       | 52                                                        | 40                                                    | 49                                                  | 37                                                         | 36                                                        | 36                                                        | 41                                                         | 40                                                        |
| 316                   | 144                  | 2                    | 66                                                    | 59                                                       | 53                                                        | 41                                                    | 48                                                  | 37                                                         | 36                                                        | 36                                                        | 41                                                         | 40                                                        |
| 317                   | 144                  | 23                   | 66                                                    | 60                                                       | 94                                                        | 42                                                    | 53                                                  | 37                                                         | 36                                                        | 36                                                        | 41                                                         | 40                                                        |
| 318                   | 144                  | 44                   | 66                                                    | 61                                                       | 53                                                        | 43                                                    | 55                                                  | 37                                                         | 36                                                        | 36                                                        | 42                                                         | 40                                                        |
| 319                   | 145                  | 6                    | 66                                                    | 61                                                       | 54                                                        | 44                                                    | 54                                                  | 37                                                         | 36                                                        | 36                                                        | 42                                                         | 40                                                        |
| 320                   | 145                  | 27                   | 68                                                    | 62                                                       | 54                                                        | 44                                                    | 57                                                  | 38                                                         | 36                                                        | 36                                                        | 42                                                         | 41                                                        |
| 321                   | 145                  | 40                   | 68                                                    | 62                                                       | 54                                                        | 45                                                    | 55                                                  | 38                                                         | 36                                                        | 36                                                        | 42                                                         | 40                                                        |
| 322                   | 146                  | 18                   | 68                                                    | 64                                                       | 55                                                        | 46                                                    | 57                                                  | 38                                                         | 36                                                        | 36                                                        | 42                                                         | 41                                                        |
| 323                   | *                    | *                    | 59                                                    | 64                                                       | 55                                                        | 48                                                    | 56                                                  | 38                                                         | 36                                                        | 36                                                        | 42                                                         | 41                                                        |
| 324                   | 147                  | 13                   | 59                                                    | 65                                                       | 55                                                        | 48                                                    | 59                                                  | *                                                          | *                                                         | *                                                         | *                                                          | *                                                         |
| 325                   | 147                  | 34                   | 59                                                    | 65                                                       | 56                                                        | 49                                                    | 59                                                  | 37                                                         | 36                                                        | 36                                                        | 42                                                         | 42                                                        |
| 326                   | 147                  | 56                   | 59                                                    | 65                                                       | 56                                                        | 49                                                    | 57                                                  | 37                                                         | 37                                                        | 37                                                        | 42                                                         | 42                                                        |
| 327                   | 147                  | 17                   | 71                                                    | 66                                                       | 56                                                        | 51                                                    | 62                                                  | 37                                                         | 37                                                        | 37                                                        | 42                                                         | 42                                                        |
| 328                   | 148                  | 39                   | 72                                                    | 67                                                       | 56                                                        | 51                                                    | 59                                                  | 37                                                         | 37                                                        | 36                                                        | 42                                                         | 41                                                        |
| 329                   | 148                  | 0                    | 71                                                    | 68                                                       | 56                                                        | 50                                                    | 57                                                  | 37                                                         | 37                                                        | 36                                                        | 42                                                         | 40                                                        |
| 330                   | 149                  | 21                   | 70                                                    | 69                                                       | 56                                                        | 50                                                    | 55                                                  | 36                                                         | 36                                                        | 36                                                        | 42                                                         | 39                                                        |
| 331                   | 149                  | 42                   | 69                                                    | 69                                                       | 57                                                        | 50                                                    | 57                                                  | 36                                                         | 36                                                        | 36                                                        | 41                                                         | 38                                                        |
| 332                   | 149                  | 4                    | 70                                                    | 70                                                       | 57                                                        | 50                                                    | 52                                                  | 35                                                         | 36                                                        | 37                                                        | 41                                                         | 38                                                        |
| 333                   | 150                  | 25                   | 70                                                    | 70                                                       | 57                                                        | 50                                                    | 59                                                  | 36                                                         | 36                                                        | 36                                                        | 41                                                         | 37                                                        |
| 334                   | 150                  | 46                   | 68                                                    | 71                                                       | 57                                                        | 50                                                    | 59                                                  | 36                                                         | 36                                                        | 36                                                        | 41                                                         | 37                                                        |
| 335                   | 151                  | 8                    | 68                                                    | 71                                                       | 57                                                        | 49                                                    | 57                                                  | 35                                                         | 36                                                        | 36                                                        | 41                                                         | 36                                                        |
| 336                   | 151                  | 29                   | 59                                                    | 72                                                       | 57                                                        | 49                                                    | 57                                                  | 35                                                         | 36                                                        | 36                                                        | 41                                                         | 36                                                        |
| 337                   | 151                  | *                    | 68                                                    | 73                                                       | 56                                                        | 49                                                    | 59                                                  | 35                                                         | 36                                                        | 36                                                        | 39                                                         | 36                                                        |
| 338                   | 151                  | 12                   | 68                                                    | 73                                                       | 56                                                        | 49                                                    | 59                                                  | 34                                                         | 35                                                        | 36                                                        | 39                                                         | 36                                                        |
| 339                   | 151                  | 33                   | *                                                     | *                                                        | *                                                         | *                                                     | *                                                   | 34                                                         | 35                                                        | 35                                                        | 39                                                         | 35                                                        |
| 340                   | 152                  | 55                   | 68                                                    | 73                                                       | 56                                                        | 40                                                    | *                                                   | *                                                          | *                                                         | *                                                         | *                                                          | *                                                         |
| 341                   | 152                  | 16                   | 70                                                    | 74                                                       | 56                                                        | 48                                                    | 57                                                  | 33                                                         | 35                                                        | 8                                                         | *                                                          | *                                                         |
| 342                   | 153                  | 37                   | 67                                                    | 74                                                       | 56                                                        | 47                                                    | 55                                                  | 33                                                         | 35                                                        | 35                                                        | 38                                                         | 34                                                        |
| 343                   | 153                  | 59                   | 66                                                    | 75                                                       | 56                                                        | 46                                                    | 55                                                  | 33                                                         | 35                                                        | 35                                                        | 37                                                         | 32                                                        |
| 344                   | 154                  | 20                   | 66                                                    | 75                                                       | 56                                                        | 46                                                    | 57                                                  | 32                                                         | 34                                                        | 35                                                        | 37                                                         | 32                                                        |
| 345                   | 154                  | 41                   | 66                                                    | 75                                                       | 56                                                        | 46                                                    | 55                                                  | 32                                                         | 34                                                        | 34                                                        | 36                                                         | 31                                                        |
| 346                   | 154                  | 59                   | 66                                                    | 75                                                       | 56                                                        | 46                                                    | 55                                                  | 31                                                         | 34                                                        | 34                                                        | 36                                                         | 31                                                        |
| 347                   | 154                  | 24                   | 68                                                    | 75                                                       | 56                                                        | 46                                                    | 55                                                  | 31                                                         | 33                                                        | 33                                                        | 36                                                         | 30                                                        |
| 348                   | 155                  | 45                   | 68                                                    | 75                                                       | 56                                                        | 45                                                    | 55                                                  | 31                                                         | 32                                                        | 32                                                        | 34                                                         | 30                                                        |
| 349                   | 155                  | 6                    | 66                                                    | 75                                                       | 56                                                        | 45                                                    | 55                                                  | 31                                                         | 32                                                        | 32                                                        | 34                                                         | 30                                                        |
| 350                   | 156                  | 28                   | 66                                                    | 75                                                       | 57                                                        | 44                                                    | 55                                                  | 30                                                         | 32                                                        | 32                                                        | 34                                                         | 30                                                        |
| 351                   | 156                  | 49                   | 66                                                    | 75                                                       | 56                                                        | 44                                                    | 55                                                  | 30                                                         | 31                                                        | 31                                                        | 34                                                         | 30                                                        |
| 352                   | 156                  | 10                   | 65                                                    | 75                                                       | 56                                                        | 44                                                    | 55                                                  | 29                                                         | 31                                                        | 31                                                        | 34                                                         | 29                                                        |
| 353                   | 157                  |                      | 65                                                    | 75                                                       | 56                                                        | 44                                                    | 55                                                  |                                                            |                                                           |                                                           |                                                            |                                                           |

| -01<br>SWEEP<br>COUNT | 5-01<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-16<br>MAIN<br>G.OBOX<br>COOLER<br>INLET<br>OIL<br>TEMP<br>DEG.C | 5-17<br>MAIN<br>G.OBOX<br>COOLER<br>OUTLET<br>OIL<br>TEMP<br>DEG.C | 5-18<br>INTER-<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>8TH RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>8THLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| 354                   | 157                  | 32                   | 56                                                    | 75                                                                | 56                                                                 | 43                                                    | 53                                                  | 30                                                        | 31                                                        | 31                                                        | 32                                                      | 29                                                        |
| 355                   | 157                  | 53                   | 63                                                    | 75                                                                | 56                                                                 | 43                                                    | 53                                                  | 29                                                        | 30                                                        | 30                                                        | 32                                                      | 29                                                        |
| 356                   | 158                  | 14                   | 65                                                    | 75                                                                | 56                                                                 | 43                                                    | 52                                                  | 29                                                        | 29                                                        | 29                                                        | 32                                                      | 29                                                        |
| 357                   | 161                  | 24                   | 66                                                    | 75                                                                | 56                                                                 | 41                                                    | 52                                                  | 28                                                        | 28                                                        | 28                                                        | 30                                                      | 27                                                        |
| 358                   | 165                  | 6                    | 63                                                    | 74                                                                | 55                                                                 | 39                                                    | 50                                                  | 26                                                        | 26                                                        | 26                                                        | 28                                                      | 25                                                        |
| 359                   | 166                  | 46                   | 52                                                    | 73                                                                | 55                                                                 | 38                                                    | 51                                                  | 25                                                        | 27                                                        | 27                                                        | 27                                                      | 24                                                        |
| 360                   | 168                  | 23                   | 62                                                    | 73                                                                | 55                                                                 | 38                                                    | 51                                                  | 25                                                        | 25                                                        | 25                                                        | 25                                                      | 24                                                        |
| 361                   | 171                  | 48                   | 61                                                    | 72                                                                | 55                                                                 | 38                                                    | 48                                                  | 24                                                        | 24                                                        | 24                                                        | 25                                                      | 24                                                        |
| 362                   | *                    | 6                    | 59                                                    | 72                                                                | 55                                                                 | 38                                                    | 48                                                  | 24                                                        | 24                                                        | 23                                                        | 25                                                      | 24                                                        |
| 363                   | *                    | *                    | 60                                                    | 72                                                                | 55                                                                 | 37                                                    | 47                                                  | 24                                                        | 24                                                        | 23                                                        | 25                                                      | 24                                                        |
| 364                   | 172                  | 9                    | 61                                                    | 72                                                                | 55                                                                 | 38                                                    | 47                                                  | 24                                                        | 24                                                        | 23                                                        | 25                                                      | 24                                                        |
| 365                   | 173                  | 12                   | *                                                     | 72                                                                | 55                                                                 | 38                                                    | 46                                                  | 24                                                        | 24                                                        | 23                                                        | 25                                                      | 24                                                        |
| 366                   | 173                  | 33                   | *                                                     | *                                                                 | *                                                                  | *                                                     | *                                                   | 24                                                        | 24                                                        | 22                                                        | 25                                                      | 24                                                        |
| 367                   | 173                  | 54                   | 53                                                    | *                                                                 | *                                                                  | *                                                     | *                                                   | *                                                         | *                                                         | *                                                         | *                                                       | 25                                                        |
| 368                   | 174                  | 16                   | 54                                                    | 71                                                                | 55                                                                 | 39                                                    | 45                                                  | 25                                                        | 24                                                        | *                                                         | *                                                       | *                                                         |
| 369                   | 174                  | 37                   | 55                                                    | 72                                                                | 55                                                                 | 39                                                    | 47                                                  | 25                                                        | 25                                                        | 23                                                        | 26                                                      | 25                                                        |
| 370                   | 174                  | 58                   | 55                                                    | 72                                                                | 55                                                                 | 39                                                    | 47                                                  | 25                                                        | 25                                                        | 23                                                        | 26                                                      | 26                                                        |
| 371                   | 175                  | 13                   | 61                                                    | 71                                                                | 55                                                                 | 39                                                    | 45                                                  | 25                                                        | 24                                                        | 23                                                        | 26                                                      | 26                                                        |
| 372                   | 175                  | 40                   | 66                                                    | 71                                                                | 55                                                                 | 41                                                    | 45                                                  | 25                                                        | 24                                                        | 23                                                        | 26                                                      | 26                                                        |
| 373                   | 176                  | 1                    | 58                                                    | 71                                                                | 55                                                                 | 41                                                    | 45                                                  | 25                                                        | 25                                                        | 23                                                        | 27                                                      | 27                                                        |
| 374                   | 176                  | 22                   | 52                                                    | 71                                                                | 55                                                                 | 41                                                    | 43                                                  | 25                                                        | 25                                                        | 23                                                        | 27                                                      | 27                                                        |
| 375                   | 176                  | 43                   | 65                                                    | 71                                                                | 55                                                                 | 40                                                    | 43                                                  | 25                                                        | 24                                                        | 24                                                        | 28                                                      | 28                                                        |
| 376                   | 177                  | 4                    | 62                                                    | 71                                                                | 55                                                                 | 41                                                    | 45                                                  | 26                                                        | 25                                                        | 24                                                        | 28                                                      | 28                                                        |
| 377                   | 177                  | 25                   | 53                                                    | 71                                                                | 55                                                                 | 41                                                    | 47                                                  | 26                                                        | 25                                                        | 24                                                        | 28                                                      | 28                                                        |
| 378                   | 177                  | 46                   | 52                                                    | 71                                                                | 55                                                                 | 42                                                    | 49                                                  | 26                                                        | 25                                                        | 25                                                        | 29                                                      | 29                                                        |
| 379                   | 178                  | 7                    | 55                                                    | 70                                                                | 55                                                                 | 42                                                    | 45                                                  | 27                                                        | 25                                                        | 25                                                        | 29                                                      | 29                                                        |
| 380                   | 178                  | 28                   | 55                                                    | 71                                                                | 55                                                                 | 42                                                    | 47                                                  | 27                                                        | 25                                                        | 25                                                        | 30                                                      | 29                                                        |
| 381                   | 178                  | 49                   | 66                                                    | 70                                                                | 56                                                                 | 43                                                    | 48                                                  | 27                                                        | 25                                                        | 25                                                        | 29                                                      | 29                                                        |
| 382                   | 178                  | 11                   | 63                                                    | 70                                                                | 55                                                                 | 43                                                    | 49                                                  | 27                                                        | 26                                                        | 26                                                        | 29                                                      | 29                                                        |
| 383                   | 179                  | 32                   | 64                                                    | 70                                                                | 55                                                                 | 42                                                    | 49                                                  | 27                                                        | 26                                                        | 26                                                        | 29                                                      | 29                                                        |
| 384                   | 179                  | 53                   | 60                                                    | 70                                                                | 54                                                                 | 42                                                    | 51                                                  | 27                                                        | 26                                                        | 26                                                        | 30                                                      | 29                                                        |
| 385                   | 180                  | 15                   | 59                                                    | 69                                                                | 54                                                                 | 42                                                    | 52                                                  | 27                                                        | 26                                                        | 26                                                        | 30                                                      | 29                                                        |
| 386                   | 180                  | 36                   | 59                                                    | 69                                                                | 54                                                                 | 42                                                    | 51                                                  | 27                                                        | 26                                                        | 26                                                        | 30                                                      | 29                                                        |
| 387                   | 180                  | 58                   | 59                                                    | 70                                                                | 54                                                                 | 42                                                    | 55                                                  | 28                                                        | 28                                                        | 27                                                        | 31                                                      | 30                                                        |
| 388                   | 181                  | 14                   | 60                                                    | 69                                                                | 55                                                                 | 43                                                    | 55                                                  | 28                                                        | 28                                                        | 27                                                        | 31                                                      | 30                                                        |
| 389                   | 181                  | 40                   | 60                                                    | 70                                                                | 55                                                                 | 43                                                    | 56                                                  | 28                                                        | 28                                                        | 27                                                        | 31                                                      | 30                                                        |
| 390                   | 182                  | 2                    | 51                                                    | 70                                                                | 54                                                                 | 43                                                    | 55                                                  | 28                                                        | 28                                                        | 27                                                        | 31                                                      | 30                                                        |
| 391                   | 182                  | 23                   | 61                                                    | 69                                                                | 54                                                                 | 44                                                    | 55                                                  | 27                                                        | 27                                                        | 27                                                        | 31                                                      | 32                                                        |
| 392                   | 182                  | 45                   | 61                                                    | 69                                                                | 54                                                                 | 44                                                    | 55                                                  | 28                                                        | 28                                                        | 27                                                        | 31                                                      | 31                                                        |
| 393                   | 183                  | 6                    | 62                                                    | 70                                                                | 55                                                                 | 45                                                    | 55                                                  | 28                                                        | 28                                                        | 27                                                        | 31                                                      | 31                                                        |
| 394                   | 183                  | 26                   | 62                                                    | 70                                                                | 55                                                                 | 46                                                    | 56                                                  | 28                                                        | 28                                                        | 28                                                        | *                                                       | *                                                         |
| 395                   | 183                  | 49                   | 60                                                    | 71                                                                | 55                                                                 | 46                                                    | 57                                                  | *                                                         | *                                                         | *                                                         | *                                                       | *                                                         |
| 396                   | 184                  | 12                   | *                                                     | *                                                                 | *                                                                  | *                                                     | *                                                   | *                                                         | *                                                         | *                                                         | *                                                       | *                                                         |
| 397                   | 184                  | 32                   | *                                                     | 71                                                                | 55                                                                 | 48                                                    | 57                                                  | 28                                                        | 29                                                        | 27                                                        | 32                                                      | 32                                                        |
| 398                   | *                    | *                    | 55                                                    | 68                                                                | 54                                                                 | 56                                                    | 57                                                  | 28                                                        | 29                                                        | 28                                                        | 32                                                      | 32                                                        |
| 399                   | *                    | *                    | 56                                                    | 68                                                                | 56                                                                 | 57                                                    | 62                                                  | 29                                                        | 31                                                        | 29                                                        | 34                                                      | 34                                                        |
| 400                   | 191                  | 24                   | 67                                                    | 68                                                                | 54                                                                 | 57                                                    | 63                                                  | 29                                                        | 31                                                        | 29                                                        | 33                                                      | 32                                                        |
| 401                   | 191                  | 45                   | 67                                                    | 68                                                                | 54                                                                 | 57                                                    | 61                                                  | 30                                                        | 31                                                        | 29                                                        | 34                                                      | 33                                                        |
| 402                   | 192                  | 7                    | 57                                                    | 68                                                                | 58                                                                 | 57                                                    | 62                                                  | 29                                                        | 31                                                        | 29                                                        | 34                                                      | 33                                                        |
| 403                   | 192                  | 28                   | 58                                                    | 68                                                                | 57                                                                 | 56                                                    | 64                                                  | 29                                                        | 31                                                        | 29                                                        | 34                                                      | 35                                                        |

| -01<br>SLEEP<br>COUNT | 5-32<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-15<br>ACCESS<br>GEAR<br>JIL<br>TEMP<br>DEG.C | 5-16<br>MAIN<br>G-BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G-BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER-<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPSTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTM LFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>A.ELEC<br>COMPT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>A.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|
| 404                   | 192                  | 50                   | 67                                             | 68                                                       | 54                                                        | 56                                                    | 62                                                  | 29                                                        | 31                                                        | 29                                                         | 35                                                 | 35                                                        |
| 405                   | 193                  | 11                   | 68                                             | 68                                                       | 55                                                        | 56                                                    | 64                                                  | 29                                                        | 31                                                        | 29                                                         | 35                                                 | 35                                                        |
| 406                   | 193                  | 32                   | 67                                             | 70                                                       | 55                                                        | 54                                                    | 61                                                  | 30                                                        | 31                                                        | 30                                                         | 35                                                 | 34                                                        |
| 407                   | 193                  | 54                   | 66                                             | 70                                                       | 55                                                        | 53                                                    | 60                                                  | 29                                                        | 31                                                        | 30                                                         | 35                                                 | 34                                                        |
| 408                   | 194                  | 15                   | 66                                             | 71                                                       | 55                                                        | 53                                                    | 58                                                  | 29                                                        | 31                                                        | 30                                                         | 35                                                 | 33                                                        |
| 409                   | 194                  | 37                   | 65                                             | 71                                                       | 55                                                        | 53                                                    | 60                                                  | 29                                                        | 31                                                        | 31                                                         | 35                                                 | 32                                                        |
| 410                   | 194                  | 58                   | 64                                             | 71                                                       | 55                                                        | 52                                                    | 59                                                  | 29                                                        | 31                                                        | 31                                                         | 35                                                 | 31                                                        |
| 411                   | 195                  | 20                   | 65                                             | 72                                                       | 56                                                        | 52                                                    | 57                                                  | 29                                                        | 31                                                        | 30                                                         | 34                                                 | 31                                                        |
| 412                   | 195                  | 41                   | 65                                             | 72                                                       | 56                                                        | 51                                                    | 58                                                  | 29                                                        | 31                                                        | 29                                                         | *                                                  | *                                                         |
| 413                   | 196                  | 3                    | 64                                             | 72                                                       | 36                                                        | *                                                     | *                                                   | *                                                         | *                                                         | *                                                          | *                                                  | *                                                         |
| 414                   | 196                  | 24                   | 64                                             | 73                                                       | 56                                                        | 50                                                    | 59                                                  | 29                                                        | 30                                                        | 31                                                         | 34                                                 | 30                                                        |
| 415                   | 204                  | *                    | 66                                             | 73                                                       | 56                                                        | 50                                                    | 59                                                  | 29                                                        | 30                                                        | 30                                                         | 34                                                 | 31                                                        |
| 416                   | 204                  | 8                    | 66                                             | 75                                                       | 58                                                        | 46                                                    | 55                                                  | 30                                                        | 30                                                        | 30                                                         | 34                                                 | 31                                                        |
| 417                   | 204                  | 30                   | 66                                             | 75                                                       | 58                                                        | 47                                                    | 53                                                  | 30                                                        | 30                                                        | 30                                                         | 34                                                 | 31                                                        |
| 418                   | 209                  | 29                   | 66                                             | 75                                                       | 58                                                        | 46                                                    | 53                                                  | 30                                                        | 30                                                        | 30                                                         | 34                                                 | 31                                                        |
| 419                   | 209                  | 50                   | 66                                             | 76                                                       | 60                                                        | 48                                                    | 53                                                  | 32                                                        | 32                                                        | 32                                                         | 37                                                 | 36                                                        |
| 420                   | 209                  | 58                   | 66                                             | 75                                                       | 60                                                        | 49                                                    | 55                                                  | 33                                                        | 34                                                        | 32                                                         | 37                                                 | 37                                                        |
| 421                   | 210                  | 11                   | 66                                             | 76                                                       | 61                                                        | 49                                                    | 55                                                  | 33                                                        | 34                                                        | 32                                                         | 37                                                 | 36                                                        |
| 422                   | 210                  | 32                   | 66                                             | 76                                                       | 61                                                        | 49                                                    | 55                                                  | 33                                                        | 34                                                        | 32                                                         | 37                                                 | 36                                                        |
| 423                   | 210                  | 54                   | 65                                             | 76                                                       | 61                                                        | 49                                                    | 55                                                  | 33                                                        | 34                                                        | 33                                                         | 37                                                 | 37                                                        |
| 424                   | 211                  | 15                   | 65                                             | 76                                                       | 61                                                        | 50                                                    | 55                                                  | 33                                                        | 34                                                        | 33                                                         | 37                                                 | 36                                                        |
| 425                   | 212                  | 30                   | 67                                             | 77                                                       | 62                                                        | 51                                                    | 58                                                  | 34                                                        | 35                                                        | 34                                                         | 38                                                 | 38                                                        |
| 426                   | 212                  | 51                   | 66                                             | 77                                                       | 62                                                        | 51                                                    | 56                                                  | 34                                                        | 35                                                        | 34                                                         | 38                                                 | 38                                                        |
| 427                   | 213                  | 13                   | 66                                             | 76                                                       | 61                                                        | 51                                                    | 59                                                  | 34                                                        | 35                                                        | 34                                                         | 38                                                 | 37                                                        |
| 428                   | 213                  | 34                   | 65                                             | 76                                                       | 61                                                        | 51                                                    | 61                                                  | 34                                                        | 35                                                        | 34                                                         | 38                                                 | 38                                                        |
| 429                   | 213                  | 56                   | 66                                             | 76                                                       | 61                                                        | 51                                                    | 61                                                  | 34                                                        | 35                                                        | 34                                                         | 38                                                 | 38                                                        |
| 430                   | 214                  | 17                   | 67                                             | 76                                                       | 61                                                        | 51                                                    | 60                                                  | 34                                                        | 35                                                        | 34                                                         | 38                                                 | 38                                                        |
| 431                   | 215                  | 0                    | 71                                             | 76                                                       | 62                                                        | 51                                                    | 55                                                  | 35                                                        | 35                                                        | 35                                                         | 39                                                 | 38                                                        |
| 432                   | 215                  | 21                   | 66                                             | 76                                                       | 61                                                        | 51                                                    | 57                                                  | 35                                                        | 36                                                        | 35                                                         | 39                                                 | 38                                                        |
| 433                   | 215                  | 43                   | 68                                             | 76                                                       | 61                                                        | 51                                                    | 58                                                  | 34                                                        | 36                                                        | 35                                                         | 38                                                 | 37                                                        |
| 434                   | 215                  | 5                    | 66                                             | 76                                                       | 61                                                        | 52                                                    | 62                                                  | 35                                                        | 36                                                        | 35                                                         | 39                                                 | 38                                                        |
| 435                   | 216                  | 26                   | 67                                             | 76                                                       | 62                                                        | 52                                                    | 59                                                  | 35                                                        | 36                                                        | 35                                                         | 39                                                 | 38                                                        |
| 436                   | 216                  | 47                   | 67                                             | 76                                                       | 62                                                        | 52                                                    | 57                                                  | 35                                                        | 36                                                        | 35                                                         | 39                                                 | 38                                                        |
| 437                   | 216                  | 9                    | 68                                             | 76                                                       | 61                                                        | 52                                                    | 57                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 38                                                        |
| 438                   | 217                  | 31                   | 66                                             | 76                                                       | 61                                                        | 52                                                    | 59                                                  | 35                                                        | 36                                                        | 35                                                         | 39                                                 | 38                                                        |
| 439                   | 217                  | 52                   | 66                                             | 77                                                       | 61                                                        | 52                                                    | *                                                   | *                                                         | *                                                         | *                                                          | *                                                  | *                                                         |
| 440                   | 217                  | 52                   | 68                                             | 77                                                       | 61                                                        | 52                                                    | 57                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 38                                                        |
| 441                   | 218                  | 35                   | 67                                             | 76                                                       | 62                                                        | 52                                                    | 60                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 38                                                        |
| 442                   | 218                  | 56                   | 67                                             | 76                                                       | 61                                                        | 53                                                    | 61                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 39                                                        |
| 443                   | 218                  | 16                   | 68                                             | 76                                                       | 61                                                        | 53                                                    | 57                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 39                                                        |
| 444                   | 219                  | 39                   | 67                                             | 76                                                       | 61                                                        | 53                                                    | 57                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 39                                                        |
| 445                   | 219                  | 0                    | 66                                             | 76                                                       | 61                                                        | 52                                                    | 62                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 38                                                        |
| 446                   | 220                  | 22                   | 67                                             | 76                                                       | 61                                                        | 52                                                    | 60                                                  | 36                                                        | 36                                                        | 36                                                         | 39                                                 | 38                                                        |
| 447                   | 220                  | 44                   | 67                                             | 75                                                       | 61                                                        | 52                                                    | 62                                                  | 36                                                        | 36                                                        | 36                                                         | 40                                                 | *                                                         |
| 448                   | 220                  | 67                   | 67                                             | 76                                                       | 61                                                        | 53                                                    | 61                                                  | 35                                                        | 36                                                        | 36                                                         | 39                                                 | 39                                                        |
| 449                   | 221                  | 27                   | 67                                             | 76                                                       | 61                                                        | 53                                                    | 62                                                  | 36                                                        | 36                                                        | 36                                                         | 39                                                 | 39                                                        |
| 450                   | 221                  | 47                   | 67                                             | 76                                                       | 61                                                        | 53                                                    | 62                                                  | 36                                                        | 36                                                        | 36                                                         | 39                                                 | 39                                                        |
| 451                   | 222                  | 10                   | 67                                             | 76                                                       | 61                                                        | 52                                                    | 57                                                  | 36                                                        | 36                                                        | 36                                                         | 40                                                 | 38                                                        |
| 452                   | 222                  | 31                   | 69                                             | 76                                                       | 61                                                        | 52                                                    | 57                                                  | 36                                                        | 36                                                        | 36                                                         | 40                                                 | 39                                                        |
| 453                   | 222                  | 31                   | 69                                             | 76                                                       | 61                                                        | 52                                                    | 59                                                  | 36                                                        | 37                                                        | 37                                                         | 39                                                 | 39                                                        |

| -01<br>SLEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-15<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-16<br>MAIN<br>G-BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G-BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-22<br>L-ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L-ELEC<br>COMPT<br>BYN RI<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L-ELEC<br>COMPT<br>BYNLT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R-ELEC<br>COMPT<br>LEFT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R-ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
| 454                   | 222                  | 52                   | 59                                                    | 76                                                       | 61                                                        | 53                                                    | 57                                                  | 36                                                        | 37                                                        | 36                                                       | 48                                                         | 39                                                        |
| 455                   | 223                  | 14                   | 69                                                    | 76                                                       | 61                                                        | 52                                                    | 60                                                  | 36                                                        | 37                                                        | 36                                                       | 48                                                         | 39                                                        |
| 456                   | 223                  | 35                   | 69                                                    | 76                                                       | 61                                                        | 52                                                    | 61                                                  | 36                                                        | 36                                                        | 36                                                       | 39                                                         | 39                                                        |
| 457                   | 223                  | 57                   | 68                                                    | 76                                                       | 61                                                        | 53                                                    | 61                                                  | 36                                                        | 36                                                        | 36                                                       | 40                                                         | 39                                                        |
| 458                   | 224                  | 19                   | 57                                                    | 76                                                       | 61                                                        | 53                                                    | 61                                                  | 36                                                        | 36                                                        | 36                                                       | 40                                                         | 39                                                        |
| 459                   | 224                  | 40                   | 57                                                    | 77                                                       | 61                                                        | 53                                                    | 62                                                  | 36                                                        | 37                                                        | 36                                                       | 39                                                         | 39                                                        |
| 460                   | 225                  | 2                    | 67                                                    | 76                                                       | 61                                                        | 53                                                    | 62                                                  | 36                                                        | 37                                                        | 37                                                       | 40                                                         | 39                                                        |
| 461                   | 225                  | 24                   | 58                                                    | 76                                                       | 61                                                        | 53                                                    | 61                                                  | 36                                                        | 37                                                        | 37                                                       | 40                                                         | 39                                                        |
| 462                   | 225                  | 45                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 61                                                  | 36                                                        | 37                                                        | 37                                                       | 40                                                         | 39                                                        |
| 463                   | 225                  | 57                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 61                                                  | 36                                                        | 36                                                        | 36                                                       | 40                                                         | 39                                                        |
| 464                   | 226                  | 20                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 60                                                  | 36                                                        | 36                                                        | 36                                                       | 40                                                         | 39                                                        |
| 465                   | 226                  | 50                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 61                                                  | 36                                                        | 37                                                        | 37                                                       | 41                                                         | 39                                                        |
| 466                   | 227                  | 12                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 60                                                  | 36                                                        | 37                                                        | 37                                                       | 41                                                         | 39                                                        |
| 467                   | 227                  | 34                   | 57                                                    | 76                                                       | 61                                                        | 53                                                    | 61                                                  | 36                                                        | 37                                                        | 37                                                       | 39                                                         | 39                                                        |
| 468                   | 227                  | 55                   | 57                                                    | 76                                                       | 61                                                        | 53                                                    | 61                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 39                                                        |
| 469                   | 228                  | 17                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 62                                                  | 37                                                        | 37                                                        | 37                                                       | 40                                                         | 39                                                        |
| 470                   | 228                  | 39                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 63                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 39                                                        |
| 471                   | 229                  | 1                    | 58                                                    | 76                                                       | 61                                                        | 52                                                    | 61                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 39                                                        |
| 472                   | 229                  | 23                   | 58                                                    | 76                                                       | 61                                                        | 52                                                    | 62                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 39                                                        |
| 473                   | 229                  | 44                   | 58                                                    | 76                                                       | 61                                                        | 52                                                    | 62                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 39                                                        |
| 474                   | 230                  | 6                    | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 60                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 39                                                        |
| 475                   | 230                  | 28                   | 58                                                    | 76                                                       | 61                                                        | 52                                                    | 60                                                  | 36                                                        | 37                                                        | 36                                                       | 40                                                         | 40                                                        |
| 476                   | 230                  | 49                   | 57                                                    | 76                                                       | 61                                                        | 52                                                    | 61                                                  | 36                                                        | 37                                                        | 37                                                       | 40                                                         | 40                                                        |
| 477                   | 231                  | 11                   | 69                                                    | 77                                                       | 62                                                        | 52                                                    | 61                                                  | 36                                                        | 37                                                        | 37                                                       | 40                                                         | 40                                                        |
| 478                   | 231                  | 32                   | 68                                                    | 77                                                       | 62                                                        | 52                                                    | 60                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 479                   | 231                  | 49                   | 70                                                    | 77                                                       | 62                                                        | 52                                                    | 60                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 480                   | 232                  | 14                   | 70                                                    | 77                                                       | 62                                                        | 52                                                    | 60                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 481                   | 232                  | 36                   | 69                                                    | 77                                                       | 62                                                        | 52                                                    | 60                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 482                   | 232                  | 58                   | 68                                                    | 77                                                       | 62                                                        | 53                                                    | 61                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 483                   | 233                  | 19                   | 69                                                    | 76                                                       | 62                                                        | 53                                                    | 60                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 484                   | 233                  | 41                   | 58                                                    | 76                                                       | 62                                                        | 53                                                    | 60                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 485                   | 234                  | 2                    | 58                                                    | 76                                                       | 61                                                        | 52                                                    | 62                                                  | 37                                                        | 37                                                        | 37                                                       | 41                                                         | 40                                                        |
| 486                   | 234                  | 24                   | 58                                                    | 77                                                       | 61                                                        | 52                                                    | 62                                                  | 36                                                        | 37                                                        | 37                                                       | 41                                                         | 40                                                        |
| 487                   | 234                  | 46                   | 58                                                    | 77                                                       | 61                                                        | 52                                                    | 62                                                  | 36                                                        | 37                                                        | 37                                                       | 41                                                         | 40                                                        |
| 488                   | 235                  | 7                    | 68                                                    | 77                                                       | 62                                                        | 53                                                    | 63                                                  | 36                                                        | 38                                                        | 38                                                       | 41                                                         | 40                                                        |
| 489                   | 235                  | 29                   | 68                                                    | 78                                                       | 63                                                        | 53                                                    | 63                                                  | 37                                                        | 38                                                        | 37                                                       | 41                                                         | 39                                                        |
| 490                   | 235                  | 50                   | 70                                                    | 78                                                       | 63                                                        | 53                                                    | 63                                                  | 37                                                        | 38                                                        | 38                                                       | 41                                                         | 39                                                        |
| 491                   | 236                  | 12                   | 69                                                    | 77                                                       | 63                                                        | 52                                                    | 60                                                  | 37                                                        | 38                                                        | 38                                                       | 41                                                         | 40                                                        |
| 492                   | 236                  | 33                   | 68                                                    | 78                                                       | 62                                                        | 52                                                    | 61                                                  | 37                                                        | 38                                                        | 37                                                       | 40                                                         | 40                                                        |
| 493                   | 236                  | 55                   | 68                                                    | 77                                                       | 62                                                        | 52                                                    | 62                                                  | 37                                                        | 38                                                        | 37                                                       | 41                                                         | 40                                                        |
| 494                   | 236                  | 55                   | 68                                                    | 77                                                       | 62                                                        | 52                                                    | 62                                                  | 37                                                        | 38                                                        | 37                                                       | 41                                                         | 40                                                        |
| 495                   | 237                  | 34                   | 58                                                    | 77                                                       | 62                                                        | 52                                                    | 62                                                  | 37                                                        | 38                                                        | 37                                                       | 41                                                         | 40                                                        |
| 496                   | 239                  | 0                    | 58                                                    | 77                                                       | 62                                                        | 53                                                    | 61                                                  | 36                                                        | 38                                                        | 38                                                       | 41                                                         | 40                                                        |
| 497                   | 239                  | 22                   | 58                                                    | 77                                                       | 62                                                        | 53                                                    | 61                                                  | 36                                                        | 38                                                        | 38                                                       | 41                                                         | 40                                                        |
| 498                   | 239                  | 43                   | 58                                                    | 77                                                       | 61                                                        | 52                                                    | 61                                                  | 37                                                        | 38                                                        | 37                                                       | 42                                                         | 40                                                        |
| 499                   | 239                  | 5                    | 69                                                    | 77                                                       | 62                                                        | 53                                                    | 60                                                  | 37                                                        | 38                                                        | 38                                                       | 41                                                         | 40                                                        |
| 500                   | 240                  | 27                   | 68                                                    | 77                                                       | 62                                                        | 53                                                    | 60                                                  | 38                                                        | 39                                                        | 38                                                       | 41                                                         | 40                                                        |
| 501                   | 240                  | 48                   | 68                                                    | 77                                                       | 62                                                        | 53                                                    | 61                                                  | 38                                                        | 39                                                        | 38                                                       | 41                                                         | 40                                                        |
| 502                   | 240                  | 10                   | 68                                                    | 76                                                       | 62                                                        | 53                                                    | 61                                                  | 38                                                        | 39                                                        | 38                                                       | 41                                                         | 40                                                        |
| 503                   | 240                  | 32                   | 70                                                    | 77                                                       | 62                                                        | 53                                                    | 61                                                  | 38                                                        | 39                                                        | 38                                                       | 41                                                         | 41                                                        |



| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-15<br>ACCESS<br>GEAR<br>SOX<br>JIL<br>TEMP<br>DEG.C | 5-16<br>MAIN<br>COOLER<br>OIL<br>DEG.C | 5-17<br>MAIN<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTMLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|----------------------------------------|--------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
| 504                   | 240                  | 54                   | 69                                                    | 77                                     | 61                                               | 53                                                    | 63                                                  | 30                                                        | 30                                                        | 30                                                        | 41                                                         | 40                                                        |
| 505                   | 241                  | 15                   | 69                                                    | 77                                     | 61                                               | 53                                                    | 61                                                  | 30                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 506                   | 241                  | 47                   | 68                                                    | 0                                      | 0                                                | 52                                                    | 61                                                  | 37                                                        | 30                                                        | 30                                                        | 41                                                         | 40                                                        |
| 507                   | 241                  | 59                   | 68                                                    | 76                                     | 61                                               | 52                                                    | 61                                                  | 37                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 508                   | 242                  | 20                   | 69                                                    | 77                                     | 62                                               | 53                                                    | 61                                                  | 37                                                        | 30                                                        | 30                                                        | 41                                                         | 41                                                        |
| 509                   | 242                  | 42                   | 71                                                    | 77                                     | 62                                               | 53                                                    | 62                                                  | 38                                                        | 30                                                        | 30                                                        | 41                                                         | 41                                                        |
| 510                   | 243                  | 4                    | 72                                                    | 77                                     | 62                                               | 53                                                    | 62                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 511                   | 243                  | 25                   | 72                                                    | 77                                     | 63                                               | 53                                                    | 61                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 512                   | 243                  | 47                   | 69                                                    | 78                                     | 63                                               | 52                                                    | 61                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 513                   | 244                  | 0                    | 70                                                    | 78                                     | 63                                               | 53                                                    | 68                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 514                   | 244                  | 30                   | 68                                                    | 78                                     | 63                                               | 53                                                    | 68                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 515                   | 244                  | 51                   | 68                                                    | 78                                     | 63                                               | 53                                                    | 61                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 516                   | 245                  | 13                   | 69                                                    | 78                                     | 63                                               | 53                                                    | 59                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 517                   | 245                  | 34                   | 69                                                    | 78                                     | 63                                               | 53                                                    | 62                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 41                                                        |
| 518                   | 245                  | 56                   | 69                                                    | 78                                     | 63                                               | 53                                                    | 62                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 41                                                        |
| 519                   | 246                  | 17                   | 68                                                    | 79                                     | 64                                               | 52                                                    | 61                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 520                   | 246                  | 39                   | 68                                                    | 78                                     | 64                                               | 52                                                    | 61                                                  | 38                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 521                   | 247                  | 0                    | 69                                                    | 79                                     | 64                                               | 54                                                    | 62                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 40                                                        |
| 522                   | 247                  | 22                   | 69                                                    | 79                                     | 64                                               | 54                                                    | 62                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 523                   | 247                  | 43                   | 69                                                    | 79                                     | 64                                               | 53                                                    | 61                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 524                   | 248                  | 5                    | 70                                                    | 79                                     | 65                                               | 53                                                    | 61                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 525                   | 248                  | 27                   | 70                                                    | 80                                     | 64                                               | 54                                                    | 62                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 42                                                        |
| 526                   | 248                  | 48                   | 71                                                    | 81                                     | 65                                               | 54                                                    | 61                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 527                   | 249                  | 10                   | 74                                                    | 80                                     | 64                                               | 53                                                    | 62                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 528                   | 249                  | 31                   | 73                                                    | 79                                     | 64                                               | 53                                                    | 62                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 42                                                        |
| 529                   | 249                  | 53                   | 71                                                    | 79                                     | 63                                               | 54                                                    | 66                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 42                                                        |
| 530                   | 250                  | 14                   | 71                                                    | 79                                     | 62                                               | 54                                                    | 64                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 44                                                        |
| 531                   | 250                  | 36                   | 70                                                    | 78                                     | 62                                               | 55                                                    | 64                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 44                                                        |
| 532                   | 250                  | 57                   | 71                                                    | 78                                     | 62                                               | 54                                                    | 64                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 43                                                        |
| 533                   | 251                  | 19                   | 71                                                    | 79                                     | 65                                               | 51                                                    | 64                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 534                   | 251                  | 40                   | 72                                                    | 78                                     | 63                                               | 52                                                    | 64                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 535                   | 252                  | 2                    | 72                                                    | 79                                     | 66                                               | 55                                                    | 64                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 536                   | 252                  | 24                   | 72                                                    | 79                                     | 66                                               | 55                                                    | 64                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 41                                                        |
| 537                   | 252                  | 45                   | 73                                                    | 78                                     | 66                                               | 56                                                    | 66                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 538                   | 253                  | 7                    | 74                                                    | 78                                     | 67                                               | 56                                                    | 66                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 40                                                        |
| 539                   | 253                  | 28                   | 81                                                    | 78                                     | 65                                               | 57                                                    | 68                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 41                                                        |
| 540                   | 254                  | 12                   | 76                                                    | 78                                     | 65                                               | 57                                                    | 68                                                  | 39                                                        | 30                                                        | 30                                                        | 42                                                         | 41                                                        |
| 541                   | 254                  | 34                   | 77                                                    | 79                                     | 66                                               | 59                                                    | 67                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 40                                                        |
| 542                   | 254                  | 56                   | 77                                                    | 78                                     | 66                                               | 59                                                    | 67                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 40                                                        |
| 543                   | 254                  | 17                   | 77                                                    | 78                                     | 67                                               | 61                                                    | 68                                                  | 39                                                        | 30                                                        | 30                                                        | 43                                                         | 41                                                        |
| 544                   | 255                  | 17                   | 78                                                    | 78                                     | 65                                               | 60                                                    | 62                                                  | 40                                                        | 39                                                        | 30                                                        | 44                                                         | 42                                                        |

HM-53C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R-ELEC<br>COMPT<br>RIGHT<br>FWD IR<br>TEMP<br>DEG.C | 5-28<br>L-MAIN<br>FUEL<br>CELL<br>1/31VL<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|-----------------------------------------------------------|
| 308                   | 141                  | 18                   | 39                                                          | 36                                                        |
| 309                   | 141                  | 32                   | 39                                                          | 36                                                        |
| 310                   | *                    | 51                   | 39                                                          | 36                                                        |
| 311                   | 142                  | 14                   | 39                                                          | 36                                                        |
| 312                   | 142                  | 36                   | 39                                                          | 36                                                        |
| 313                   | 142                  | 57                   | *                                                           | *                                                         |
| 314                   | 143                  | 19                   | 39                                                          | 36                                                        |
| 315                   | 143                  | 40                   | 39                                                          | 36                                                        |
| 316                   | 144                  | 2                    | 39                                                          | 36                                                        |
| 317                   | 144                  | 23                   | 39                                                          | 36                                                        |
| 318                   | 144                  | 44                   | 39                                                          | 36                                                        |
| 319                   | 145                  | 6                    | 39                                                          | 36                                                        |
| 320                   | 145                  | 27                   | 40                                                          | 35                                                        |
| 321                   | 145                  | 48                   | 40                                                          | 36                                                        |
| 322                   | 146                  | 10                   | 41                                                          | 36                                                        |
| 323                   | *                    | *                    | 41                                                          | 36                                                        |
| 324                   | 147                  | 13                   | *                                                           | *                                                         |
| 325                   | 147                  | 34                   | 41                                                          | 36                                                        |
| 326                   | 147                  | 56                   | 42                                                          | 36                                                        |
| 327                   | 147                  | 17                   | 41                                                          | 36                                                        |
| 328                   | 148                  | 39                   | 39                                                          | 36                                                        |
| 329                   | 148                  | 5                    | 37                                                          | 36                                                        |
| 330                   | 149                  | 21                   | 36                                                          | 34                                                        |
| 331                   | 149                  | 42                   | 35                                                          | 35                                                        |
| 332                   | 149                  | 4                    | 35                                                          | 36                                                        |
| 333                   | 150                  | 25                   | 35                                                          | 35                                                        |
| 334                   | 150                  | 46                   | 35                                                          | 36                                                        |
| 335                   | 150                  | 8                    | 34                                                          | 36                                                        |
| 336                   | 151                  | 29                   | 33                                                          | 35                                                        |
| 337                   | 151                  | *                    | 32                                                          | 35                                                        |
| 338                   | *                    | *                    | 31                                                          | 35                                                        |
| 339                   | 152                  | 12                   | 31                                                          | 35                                                        |
| 340                   | 152                  | 33                   | 31                                                          | 35                                                        |
| 341                   | 152                  | 55                   | 30                                                          | 35                                                        |
| 342                   | 153                  | 16                   | *                                                           | *                                                         |
| 343                   | 153                  | 37                   | 29                                                          | 36                                                        |
| 344                   | 153                  | 59                   | 28                                                          | 36                                                        |
| 345                   | 154                  | 20                   | 28                                                          | 36                                                        |
| 346                   | 154                  | 41                   | 27                                                          | 36                                                        |
| 347                   | 154                  | 59                   | 27                                                          | 36                                                        |
| 348                   | 155                  | 24                   | 26                                                          | 35                                                        |
| 349                   | 155                  | 45                   | 25                                                          | 35                                                        |
| 350                   | 156                  | 6                    | 25                                                          | 35                                                        |
| 351                   | 156                  | 14                   | 25                                                          | 35                                                        |
| 352                   | 156                  | 44                   | 25                                                          | 35                                                        |
| 353                   | 157                  | 10                   | 25                                                          | 35                                                        |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R-ELEC<br>COMPT<br>RIGHT<br>FUDAIR<br>TEMP<br>DEG.C | 5-28<br>L-MAIN<br>FUEL<br>CELL<br>1/2LVL<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|-----------------------------------------------------------|
| 354                   | 157                  | 32                   | 24                                                          | 35                                                        |
| 355                   | 157                  | 53                   | 24                                                          | 35                                                        |
| 356                   | 158                  | 14                   | 24                                                          | 35                                                        |
| 357                   | 161                  | 24                   | 22                                                          | 35                                                        |
| 358                   | 165                  | 6                    | 20                                                          | 35                                                        |
| 359                   | 166                  | 45                   | 19                                                          | 35                                                        |
| 360                   | 168                  | 23                   | 19                                                          | 35                                                        |
| 361                   | 171                  | 48                   | 19                                                          | 35                                                        |
| 362                   | 171                  | 6                    | 20                                                          | 35                                                        |
| 363                   | 172                  | 9                    | 21                                                          | 35                                                        |
| 364                   | 173                  | 12                   | 21                                                          | 35                                                        |
| 365                   | 173                  | 33                   | 21                                                          | 35                                                        |
| 366                   | 173                  | 54                   | 21                                                          | 35                                                        |
| 367                   | 174                  | 16                   | 21                                                          | 35                                                        |
| 368                   | 174                  | 37                   | 22                                                          | 35                                                        |
| 369                   | 174                  | 58                   | 22                                                          | 35                                                        |
| 370                   | 175                  | 19                   | 22                                                          | 35                                                        |
| 371                   | 175                  | 40                   | 23                                                          | 35                                                        |
| 372                   | 176                  | 1                    | 24                                                          | 36                                                        |
| 373                   | 176                  | 22                   | 25                                                          | 35                                                        |
| 374                   | 176                  | 43                   | 25                                                          | 35                                                        |
| 375                   | 176                  | 4                    | 26                                                          | 35                                                        |
| 376                   | 177                  | 25                   | 26                                                          | 35                                                        |
| 377                   | 177                  | 46                   | 27                                                          | 35                                                        |
| 378                   | 178                  | 7                    | 27                                                          | 35                                                        |
| 379                   | 178                  | 28                   | 28                                                          | 36                                                        |
| 380                   | 178                  | 49                   | 27                                                          | 35                                                        |
| 381                   | 179                  | 11                   | 28                                                          | 35                                                        |
| 382                   | 179                  | 32                   | 27                                                          | 35                                                        |
| 383                   | 179                  | 53                   | 27                                                          | 35                                                        |
| 384                   | 179                  | 15                   | 27                                                          | 35                                                        |
| 385                   | 180                  | 36                   | 27                                                          | 35                                                        |
| 386                   | 180                  | 58                   | 27                                                          | 35                                                        |
| 387                   | 181                  | 19                   | 28                                                          | 35                                                        |
| 388                   | 181                  | 40                   | 28                                                          | 35                                                        |
| 389                   | 181                  | 2                    | 28                                                          | 35                                                        |
| 390                   | 182                  | 23                   | 30                                                          | 35                                                        |
| 391                   | 182                  | 45                   | 31                                                          | 35                                                        |
| 392                   | 182                  | 6                    | 32                                                          | 35                                                        |
| 393                   | 183                  | 24                   | 33                                                          | 35                                                        |
| 394                   | 183                  | 49                   | 33                                                          | 35                                                        |
| 395                   | 184                  | 11                   | 34                                                          | 35                                                        |
| 396                   | 184                  | 32                   | 34                                                          | 35                                                        |
| 397                   | 184                  | 5                    | 35                                                          | 35                                                        |
| 398                   | 184                  | 24                   | 35                                                          | 35                                                        |
| 399                   | 184                  | 45                   | 35                                                          | 35                                                        |
| 400                   | 184                  | 24                   | 35                                                          | 35                                                        |
| 401                   | 184                  | 45                   | 35                                                          | 35                                                        |
| 402                   | 184                  | 7                    | 35                                                          | 35                                                        |
| 403                   | 184                  | 28                   | 35                                                          | 35                                                        |

| -01<br>SLEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R-ELEC<br>CORPT<br>FMOAIR<br>TEMP<br>DEG.C | 5-28<br>L-MAIN<br>FUEL<br>CELL<br>1/31VL<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------|-----------------------------------------------------------|
| 484                   | 192                  | 50                   | 35                                                 | 35                                                        |
| 485                   | 193                  | 11                   | 33                                                 | 35                                                        |
| 486                   | 198                  | 32                   | 31                                                 | 35                                                        |
| 487                   | 193                  | 54                   | 31                                                 | 35                                                        |
| 488                   | 194                  | 15                   | 30                                                 | 35                                                        |
| 489                   | 194                  | 37                   | 29                                                 | 35                                                        |
| 490                   | 194                  | 58                   | 29                                                 | 35                                                        |
| 491                   | 195                  | 20                   | 29                                                 | 34                                                        |
| 492                   | 195                  | 41                   | *                                                  | *                                                         |
| 493                   | 196                  | 3                    | 29                                                 | 35                                                        |
| 494                   | 196                  | 24                   | 29                                                 | 35                                                        |
| 495                   | *                    | *                    | 29                                                 | 35                                                        |
| 496                   | *                    | *                    | 29                                                 | 35                                                        |
| 497                   | 204                  | 8                    | 31                                                 | 34                                                        |
| 498                   | 204                  | 30                   | 31                                                 | 34                                                        |
| 499                   | 209                  | 29                   | 36                                                 | 34                                                        |
| 500                   | 209                  | 50                   | 36                                                 | 34                                                        |
| 501                   | 210                  | 11                   | 36                                                 | 34                                                        |
| 502                   | 210                  | 32                   | 36                                                 | 34                                                        |
| 503                   | 210                  | 54                   | 36                                                 | 34                                                        |
| 504                   | 211                  | 15                   | 36                                                 | 34                                                        |
| 505                   | 212                  | 30                   | 36                                                 | 34                                                        |
| 506                   | 212                  | 51                   | 37                                                 | 34                                                        |
| 507                   | 213                  | 13                   | 36                                                 | 34                                                        |
| 508                   | 213                  | 34                   | 37                                                 | 34                                                        |
| 509                   | 213                  | 56                   | 36                                                 | 34                                                        |
| 510                   | 214                  | 17                   | 37                                                 | 34                                                        |
| 511                   | *                    | *                    | 37                                                 | 34                                                        |
| 512                   | 215                  | 0                    | 38                                                 | 34                                                        |
| 513                   | 215                  | 21                   | 37                                                 | 34                                                        |
| 514                   | 215                  | 43                   | 37                                                 | 34                                                        |
| 515                   | 216                  | 5                    | 37                                                 | 34                                                        |
| 516                   | 216                  | 26                   | 38                                                 | 34                                                        |
| 517                   | 216                  | 47                   | 38                                                 | 34                                                        |
| 518                   | 217                  | 9                    | 38                                                 | 34                                                        |
| 519                   | 217                  | 31                   | 37                                                 | 34                                                        |
| 520                   | 217                  | 52                   | 37                                                 | 34                                                        |
| 521                   | *                    | *                    | 38                                                 | 34                                                        |
| 522                   | 218                  | 35                   | 37                                                 | 34                                                        |
| 523                   | 218                  | 56                   | 38                                                 | 34                                                        |
| 524                   | 219                  | 18                   | 38                                                 | 34                                                        |
| 525                   | 219                  | 39                   | 37                                                 | 34                                                        |
| 526                   | 220                  | 0                    | 37                                                 | 34                                                        |
| 527                   | 220                  | 22                   | *                                                  | *                                                         |
| 528                   | 220                  | 44                   | 37                                                 | 33                                                        |
| 529                   | *                    | *                    | 38                                                 | 34                                                        |
| 530                   | 221                  | 27                   | 38                                                 | 34                                                        |
| 531                   | 221                  | 47                   | 37                                                 | 33                                                        |
| 532                   | 222                  | 10                   | 38                                                 | 34                                                        |
| 533                   | 222                  | 31                   | 38                                                 | 34                                                        |

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| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/32VLT<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|------------------------------------------------------------|
| 454                   | 222                  | 52                   | 37                                                           | 34                                                         |
| 455                   | 223                  | 14                   | *                                                            | *                                                          |
| 456                   | 223                  | 35                   | 37                                                           | 34                                                         |
| 457                   | 223                  | 57                   | 38                                                           | 34                                                         |
| 458                   | 224                  | 19                   | 38                                                           | 34                                                         |
| 459                   | 224                  | 40                   | 37                                                           | 34                                                         |
| 460                   | 225                  | 2                    | 38                                                           | 34                                                         |
| 461                   | 225                  | 24                   | 37                                                           | 33                                                         |
| 462                   | 225                  | 45                   | 37                                                           | 34                                                         |
| 463                   | 225                  | *                    | 38                                                           | 34                                                         |
| 464                   | 226                  | 28                   | 37                                                           | 34                                                         |
| 465                   | 226                  | 50                   | 38                                                           | 34                                                         |
| 466                   | 227                  | 12                   | 38                                                           | 34                                                         |
| 467                   | 227                  | 34                   | *                                                            | *                                                          |
| 468                   | 227                  | 55                   | 38                                                           | 35                                                         |
| 469                   | 228                  | 17                   | 38                                                           | 34                                                         |
| 470                   | 228                  | 39                   | 37                                                           | 34                                                         |
| 471                   | 229                  | 1                    | 38                                                           | 34                                                         |
| 472                   | 229                  | 23                   | 38                                                           | 33                                                         |
| 473                   | 229                  | 44                   | 38                                                           | 35                                                         |
| 474                   | 230                  | 6                    | 37                                                           | 34                                                         |
| 475                   | 230                  | 28                   | 38                                                           | 33                                                         |
| 476                   | 230                  | 49                   | 38                                                           | 34                                                         |
| 477                   | 231                  | 11                   | 38                                                           | 34                                                         |
| 478                   | 231                  | 32                   | *                                                            | *                                                          |
| 479                   | 231                  | 49                   | 38                                                           | 34                                                         |
| 480                   | 232                  | 14                   | 38                                                           | 34                                                         |
| 481                   | 232                  | 36                   | 38                                                           | 34                                                         |
| 482                   | 232                  | 58                   | 38                                                           | 34                                                         |
| 483                   | 233                  | 19                   | 38                                                           | 34                                                         |
| 484                   | 233                  | 41                   | 38                                                           | 34                                                         |
| 485                   | 234                  | 2                    | 38                                                           | 34                                                         |
| 486                   | 234                  | 24                   | 37                                                           | 34                                                         |
| 487                   | 234                  | 46                   | 38                                                           | 34                                                         |
| 488                   | 235                  | 7                    | 38                                                           | 34                                                         |
| 489                   | 235                  | 29                   | 38                                                           | 34                                                         |
| 490                   | 235                  | 50                   | 38                                                           | 34                                                         |
| 491                   | 236                  | 12                   | 38                                                           | 34                                                         |
| 492                   | 236                  | 33                   | 38                                                           | 34                                                         |
| 493                   | 236                  | 55                   | *                                                            | *                                                          |
| 494                   | 237                  | *                    | 38                                                           | 34                                                         |
| 495                   | 237                  | 38                   | 39                                                           | 34                                                         |
| 496                   | 238                  | 0                    | 38                                                           | 34                                                         |
| 497                   | 238                  | 22                   | 39                                                           | 34                                                         |
| 498                   | 239                  | 43                   | 39                                                           | 34                                                         |
| 499                   | 239                  | 5                    | 38                                                           | 34                                                         |
| 500                   | 239                  | 27                   | 38                                                           | 34                                                         |
| 501                   | 239                  | 48                   | 38                                                           | 34                                                         |
| 502                   | 240                  | 10                   | 38                                                           | 34                                                         |
| 503                   | 240                  | 32                   | 38                                                           | 34                                                         |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-23<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWGAIR<br>TEMP<br>DEG.C | 5-28<br>L-MATH<br>FUEL<br>CELL<br>1/21VL<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|-----------------------------------------------------------|
| 504                   | 240                  | 54                   | 39                                                          | 34                                                        |
| 505                   | 241                  | 15                   | 38                                                          | 34                                                        |
| 506                   | 241                  | 37                   | 38                                                          | 34                                                        |
| 507                   | 241                  | 59                   | 38                                                          | 34                                                        |
| 508                   | 242                  | 20                   | 38                                                          | 34                                                        |
| 509                   | 242                  | 42                   | 39                                                          | 34                                                        |
| 510                   | 243                  | 4                    | 39                                                          | 34                                                        |
| 511                   | 243                  | 25                   | 39                                                          | 34                                                        |
| 512                   | 243                  | 47                   | 39                                                          | 34                                                        |
| 513                   | 244                  | 8                    | 39                                                          | 34                                                        |
| 514                   | 244                  | 30                   | 39                                                          | 34                                                        |
| 515                   | 244                  | 51                   | 39                                                          | 34                                                        |
| 516                   | 245                  | 13                   | 39                                                          | 34                                                        |
| 517                   | 245                  | 34                   | 39                                                          | 34                                                        |
| 518                   | 245                  | 56                   | 39                                                          | 34                                                        |
| 519                   | 246                  | 17                   | 39                                                          | 34                                                        |
| 520                   | 246                  | 39                   | 39                                                          | 34                                                        |
| 521                   | 247                  | 0                    | 40                                                          | 34                                                        |
| 522                   | 247                  | 22                   | 40                                                          | 34                                                        |
| 523                   | 247                  | 43                   | 40                                                          | 34                                                        |
| 524                   | 248                  | 5                    | 40                                                          | 34                                                        |
| 525                   | 248                  | 27                   | 40                                                          | 34                                                        |
| 526                   | 248                  | 48                   | 41                                                          | 34                                                        |
| 527                   | 249                  | 10                   | 39                                                          | 34                                                        |
| 528                   | 249                  | 31                   | 41                                                          | 34                                                        |
| 529                   | 250                  | 53                   | 44                                                          | 35                                                        |
| 530                   | 250                  | 14                   | 44                                                          | 34                                                        |
| 531                   | 250                  | 36                   | 44                                                          | 34                                                        |
| 532                   | 250                  | 57                   | 44                                                          | 34                                                        |
| 533                   | 251                  | 19                   | 43                                                          | 34                                                        |
| 534                   | 251                  | 40                   | 43                                                          | 34                                                        |
| 535                   | 252                  | 2                    | 43                                                          | 34                                                        |
| 536                   | 252                  | 24                   | 43                                                          | 34                                                        |
| 537                   | 252                  | 45                   | 43                                                          | 34                                                        |
| 538                   | 253                  | 7                    | 44                                                          | 35                                                        |
| 539                   | 253                  | 28                   | 44                                                          | 35                                                        |
| 540                   | 254                  | 12                   | 44                                                          | 35                                                        |
| 541                   | 254                  | 34                   | 45                                                          | 35                                                        |
| 542                   | 254                  | 56                   | 45                                                          | 35                                                        |
| 543                   | 254                  | 17                   | 44                                                          | 35                                                        |
| 544                   | 255                  |                      |                                                             |                                                           |

MH-53C S/N 50-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG-1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG-1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG-1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG-1<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG-2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG-2<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 5-15<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 308                   | 141                  | 13                   | 36                                                        | 44                                             | 38                                                       | 39                                                        | 38                                                       | 38                                                        | 41                                                      | 38                                                      | 36                                                      | 36                                                      |
| 309                   | 141                  | 34                   | 36                                                        | 44                                             | 39                                                       | 40                                                        | 38                                                       | 38                                                        | 41                                                      | 39                                                      | 36                                                      | 37                                                      |
| 310                   | 141                  | 56                   | 36                                                        | 44                                             | 38                                                       | 39                                                        | 38                                                       | 38                                                        | 42                                                      | 41                                                      | 38                                                      | 38                                                      |
| 311                   | 142                  | 17                   | 37                                                        | 44                                             | 39                                                       | 39                                                        | 38                                                       | 39                                                        | 42                                                      | 40                                                      | 39                                                      | 38                                                      |
| 312                   | 142                  | 19                   | 36                                                        | 44                                             | 38                                                       | 39                                                        | 37                                                       | 39                                                        | 42                                                      | 40                                                      | 39                                                      | 38                                                      |
| 313                   | *                    | *                    | 37                                                        | 44                                             | 38                                                       | 39                                                        | 36                                                       | 40                                                        | 42                                                      | 40                                                      | 39                                                      | 39                                                      |
| 314                   | 143                  | 22                   | *                                                         | *                                              | *                                                        | *                                                         | *                                                        | *                                                         | 42                                                      | 40                                                      | 39                                                      | *                                                       |
| 315                   | 143                  | 43                   | 39                                                        | 45                                             | 38                                                       | 39                                                        | 38                                                       | 42                                                        | *                                                       | *                                                       | *                                                       | *                                                       |
| 316                   | 144                  | 4                    | 38                                                        | 45                                             | 38                                                       | 39                                                        | 38                                                       | 41                                                        | 41                                                      | 38                                                      | 37                                                      | 38                                                      |
| 317                   | 144                  | 26                   | 37                                                        | 44                                             | 39                                                       | 40                                                        | 38                                                       | 41                                                        | 40                                                      | 37                                                      | 36                                                      | 37                                                      |
| 318                   | 145                  | 47                   | 37                                                        | 45                                             | 38                                                       | 39                                                        | 38                                                       | 42                                                        | 39                                                      | 36                                                      | 36                                                      | 36                                                      |
| 319                   | 145                  | 8                    | 37                                                        | 45                                             | 38                                                       | 40                                                        | 38                                                       | 43                                                        | 39                                                      | 35                                                      | 35                                                      | 35                                                      |
| 320                   | 145                  | 30                   | 37                                                        | 45                                             | 39                                                       | 39                                                        | 38                                                       | 43                                                        | 38                                                      | 35                                                      | 34                                                      | 35                                                      |
| 321                   | 145                  | 51                   | 36                                                        | 46                                             | 39                                                       | 40                                                        | 38                                                       | 44                                                        | 37                                                      | 34                                                      | 34                                                      | 35                                                      |
| 322                   | 146                  | 12                   | 37                                                        | 47                                             | 39                                                       | 40                                                        | 39                                                       | 44                                                        | 37                                                      | 35                                                      | 35                                                      | 36                                                      |
| 323                   | 146                  | 33                   | 37                                                        | 48                                             | 39                                                       | 39                                                        | 39                                                       | 44                                                        | 37                                                      | 34                                                      | 35                                                      | 36                                                      |
| 325                   | 147                  | 16                   | 37                                                        | 49                                             | 39                                                       | 40                                                        | 39                                                       | 45                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 326                   | *                    | *                    | 39                                                        | *                                              | 39                                                       | *                                                         | *                                                        | 45                                                        | 36                                                      | 35                                                      | 35                                                      | *                                                       |
| 327                   | 147                  | 58                   | 36                                                        | 50                                             | *                                                        | *                                                         | *                                                        | *                                                         | *                                                       | *                                                       | *                                                       | *                                                       |
| 328                   | 148                  | 20                   | 36                                                        | 51                                             | 40                                                       | 41                                                        | 39                                                       | 48                                                        | 35                                                      | 34                                                      | 35                                                      | *                                                       |
| 329                   | 148                  | 41                   | 36                                                        | 52                                             | 39                                                       | 41                                                        | 40                                                       | 48                                                        | 35                                                      | 34                                                      | 34                                                      | 35                                                      |
| 330                   | 149                  | 3                    | 36                                                        | 51                                             | 39                                                       | 40                                                        | 40                                                       | 51                                                        | 33                                                      | 33                                                      | 33                                                      | 33                                                      |
| 331                   | 149                  | 24                   | 36                                                        | 51                                             | 39                                                       | 40                                                        | 40                                                       | 50                                                        | 34                                                      | 32                                                      | 32                                                      | 33                                                      |
| 332                   | 149                  | 45                   | 36                                                        | 52                                             | 40                                                       | 40                                                        | 41                                                       | 50                                                        | 34                                                      | 32                                                      | 33                                                      | 33                                                      |
| 333                   | 150                  | 6                    | 36                                                        | 53                                             | 40                                                       | 40                                                        | 41                                                       | 51                                                        | 33                                                      | 32                                                      | 32                                                      | 32                                                      |
| 334                   | 150                  | 28                   | 36                                                        | 53                                             | 40                                                       | 41                                                        | 42                                                       | 52                                                        | 33                                                      | 32                                                      | 32                                                      | 32                                                      |
| 335                   | 150                  | 49                   | 35                                                        | 54                                             | 41                                                       | 42                                                        | 41                                                       | 52                                                        | 31                                                      | 31                                                      | 31                                                      | 31                                                      |
| 336                   | 151                  | 10                   | 36                                                        | 54                                             | 40                                                       | 40                                                        | 41                                                       | 52                                                        | 31                                                      | 30                                                      | 30                                                      | 30                                                      |
| 337                   | 151                  | 32                   | 36                                                        | 55                                             | 41                                                       | 40                                                        | 42                                                       | 53                                                        | 30                                                      | 29                                                      | 29                                                      | 29                                                      |
| 338                   | 151                  | 53                   | 35                                                        | 55                                             | 40                                                       | 40                                                        | 41                                                       | 53                                                        | 29                                                      | 28                                                      | 28                                                      | 29                                                      |
| 339                   | 152                  | 14                   | 35                                                        | 56                                             | 40                                                       | 41                                                        | 41                                                       | 53                                                        | 29                                                      | 27                                                      | 27                                                      | 27                                                      |
| 340                   | 152                  | 36                   | 35                                                        | 56                                             | 41                                                       | 39                                                        | 41                                                       | 53                                                        | 28                                                      | 26                                                      | 26                                                      | 27                                                      |
| 341                   | 152                  | 57                   | 35                                                        | 56                                             | 40                                                       | 39                                                        | 41                                                       | 53                                                        | 27                                                      | 25                                                      | 25                                                      | 26                                                      |
| 342                   | *                    | 16                   | 35                                                        | 58                                             | 41                                                       | 39                                                        | 41                                                       | 53                                                        | 26                                                      | 24                                                      | 24                                                      | 24                                                      |
| 343                   | *                    | *                    | *                                                         | *                                              | 40                                                       | 40                                                        | 41                                                       | 53                                                        | 26                                                      | 24                                                      | 24                                                      | 24                                                      |
| 344                   | 154                  | 1                    | *                                                         | *                                              | *                                                        | *                                                         | *                                                        | *                                                         | 23                                                      | 23                                                      | 22                                                      | 23                                                      |
| 345                   | 154                  | 22                   | 35                                                        | 61                                             | 41                                                       | 39                                                        | 43                                                       | 51                                                        | *                                                       | *                                                       | *                                                       | *                                                       |
| 346                   | 154                  | 44                   | 35                                                        | 61                                             | 41                                                       | 40                                                        | 40                                                       | 52                                                        | 23                                                      | 22                                                      | 22                                                      | 22                                                      |
| 347                   | 155                  | 5                    | 35                                                        | 61                                             | 41                                                       | 39                                                        | 40                                                       | 52                                                        | 21                                                      | 21                                                      | 21                                                      | 21                                                      |
| 348                   | 155                  | 26                   | 35                                                        | 62                                             | 41                                                       | 39                                                        | 39                                                       | 52                                                        | 22                                                      | 20                                                      | 20                                                      | 21                                                      |
| 349                   | 155                  | 48                   | 35                                                        | 62                                             | 41                                                       | 39                                                        | 39                                                       | 52                                                        | 22                                                      | 21                                                      | 20                                                      | 21                                                      |
| 350                   | 156                  | 9                    | 35                                                        | 62                                             | 41                                                       | 38                                                        | 38                                                       | 52                                                        | 22                                                      | 20                                                      | 21                                                      | 20                                                      |
| 351                   | 156                  | 30                   | 35                                                        | 63                                             | 41                                                       | 39                                                        | 38                                                       | 52                                                        | 22                                                      | 21                                                      | 21                                                      | 20                                                      |
| 352                   | 156                  | 52                   | 35                                                        | 63                                             | 41                                                       | 39                                                        | 38                                                       | 52                                                        | 22                                                      | 21                                                      | 21                                                      | 20                                                      |
| 353                   | 157                  | 13                   | 35                                                        | 63                                             | 41                                                       | 38                                                        | 3                                                        | 52                                                        | 21                                                      | 20                                                      | 19                                                      | 19                                                      |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.45<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 354                   | 157                  | 34                   | 35                                                | 64                                             | 41                                                       | 38                                                        | 52                                                       | 21                                                        | 19                                                      | 19                                                      | 19                                                      | 20                                                      |
| 355                   | 157                  | 56                   | 34                                                | 64                                             | 41                                                       | 38                                                        | 52                                                       | 21                                                        | 19                                                      | 19                                                      | 19                                                      | 19                                                      |
| 356                   | 158                  | 17                   | 35                                                | 63                                             | 41                                                       | 38                                                        | 52                                                       | 20                                                        | 19                                                      | 19                                                      | 20                                                      | 19                                                      |
| 357                   | 161                  | 27                   | 35                                                | 62                                             | 40                                                       | 37                                                        | 52                                                       | 18                                                        | 18                                                      | 18                                                      | 18                                                      | 18                                                      |
| 358                   | 165                  | 9                    | 34                                                | 61                                             | 39                                                       | 36                                                        | 51                                                       | 17                                                        | 16                                                      | 16                                                      | 16                                                      | 16                                                      |
| 359                   | 166                  | 48                   | 35                                                | 59                                             | 39                                                       | 35                                                        | 51                                                       | 15                                                        | 15                                                      | 15                                                      | 15                                                      | 15                                                      |
| 360                   | 168                  | 25                   | 36                                                | 59                                             | 38                                                       | 35                                                        | 52                                                       | 16                                                        | 16                                                      | 16                                                      | 16                                                      | 16                                                      |
| 361                   | 171                  | 50                   | 35                                                | 59                                             | 38                                                       | 34                                                        | 51                                                       | 17                                                        | 17                                                      | 17                                                      | 17                                                      | 17                                                      |
| 362                   | 172                  | 11                   | 35                                                | 59                                             | 38                                                       | 34                                                        | 50                                                       | 17                                                        | 17                                                      | 17                                                      | 17                                                      | 18                                                      |
| 363                   | 172                  | 33                   | 35                                                | 59                                             | 38                                                       | 34                                                        | 50                                                       | 18                                                        | 18                                                      | 18                                                      | 18                                                      | 18                                                      |
| 364                   | 172                  | 54                   | 35                                                | 60                                             | 37                                                       | 34                                                        | 51                                                       | 18                                                        | 18                                                      | 18                                                      | 18                                                      | 18                                                      |
| 365                   | 173                  | 15                   | 35                                                | 61                                             | 37                                                       | 34                                                        | 50                                                       | 18                                                        | 18                                                      | 18                                                      | 18                                                      | 18                                                      |
| 366                   | 173                  | 36                   | 35                                                | 62                                             | 37                                                       | 34                                                        | 51                                                       | 18                                                        | 19                                                      | 19                                                      | 19                                                      | 19                                                      |
| 367                   | 173                  | 57                   | 35                                                | 62                                             | 37                                                       | 34                                                        | 51                                                       | 19                                                        | 21                                                      | 21                                                      | 20                                                      | 20                                                      |
| 368                   | 174                  | 18                   | 35                                                | 62                                             | 37                                                       | 34                                                        | 51                                                       | 20                                                        | 21                                                      | 21                                                      | 21                                                      | 21                                                      |
| 369                   | *                    | *                    | 35                                                | 63                                             | 37                                                       | 34                                                        | 51                                                       | 21                                                        | 21                                                      | 21                                                      | 21                                                      | 21                                                      |
| 370                   | *                    | *                    | 35                                                | 63                                             | 36                                                       | 35                                                        | 50                                                       | 21                                                        | 21                                                      | 21                                                      | 21                                                      | 21                                                      |
| 371                   | 175                  | 21                   | 33                                                | *                                              | *                                                        | *                                                         | 49                                                       | 21                                                        | 21                                                      | 21                                                      | 22                                                      | 22                                                      |
| 372                   | 175                  | 42                   | 33                                                | *                                              | *                                                        | 32                                                        | *                                                        | *                                                         | *                                                       | *                                                       | *                                                       | *                                                       |
| 373                   | 176                  | 3                    | 35                                                | 64                                             | 36                                                       | 34                                                        | 49                                                       | 24                                                        | 24                                                      | 25                                                      | 25                                                      | 26                                                      |
| 374                   | 176                  | 24                   | 35                                                | 64                                             | 36                                                       | 34                                                        | 49                                                       | 25                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 375                   | 176                  | 46                   | 35                                                | 64                                             | 36                                                       | 34                                                        | 49                                                       | 25                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 376                   | 177                  | 7                    | 35                                                | 64                                             | 36                                                       | 35                                                        | 50                                                       | 26                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 377                   | 177                  | 28                   | 35                                                | 64                                             | 36                                                       | 35                                                        | 51                                                       | 26                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 378                   | 177                  | 49                   | 36                                                | 64                                             | 36                                                       | 35                                                        | 51                                                       | 27                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 379                   | 178                  | 10                   | 36                                                | 64                                             | 36                                                       | 35                                                        | 51                                                       | 27                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 380                   | 178                  | 31                   | 35                                                | 64                                             | 35                                                       | 35                                                        | 52                                                       | 27                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 381                   | 178                  | 52                   | 35                                                | 64                                             | 36                                                       | 35                                                        | 52                                                       | 27                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 382                   | 179                  | 13                   | 35                                                | 64                                             | 37                                                       | 35                                                        | 52                                                       | 27                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 383                   | 179                  | 34                   | 35                                                | 62                                             | 36                                                       | 35                                                        | 51                                                       | 26                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 384                   | 180                  | 56                   | 35                                                | 62                                             | 35                                                       | 35                                                        | 52                                                       | 26                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 385                   | 180                  | 17                   | 34                                                | 61                                             | 36                                                       | 35                                                        | 52                                                       | 26                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 386                   | 180                  | 39                   | 34                                                | 60                                             | 35                                                       | 35                                                        | 52                                                       | 26                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 387                   | 181                  | 8                    | 35                                                | 61                                             | 36                                                       | 35                                                        | 52                                                       | 26                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 388                   | 181                  | 22                   | 35                                                | 60                                             | 36                                                       | 35                                                        | 53                                                       | 27                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 389                   | 181                  | 43                   | 35                                                | 59                                             | 36                                                       | 35                                                        | 54                                                       | 26                                                        | 26                                                      | 26                                                      | 26                                                      | 26                                                      |
| 390                   | 182                  | 4                    | 35                                                | 60                                             | 35                                                       | 35                                                        | 0                                                        | *                                                         | *                                                       | *                                                       | *                                                       | *                                                       |
| 391                   | 182                  | 26                   | 35                                                | 59                                             | *                                                        | *                                                         | *                                                        | *                                                         | *                                                       | *                                                       | *                                                       | *                                                       |
| 392                   | 182                  | 47                   | *                                                 | *                                              | *                                                        | *                                                         | *                                                        | *                                                         | *                                                       | *                                                       | *                                                       | *                                                       |
| 393                   | 182                  | *                    | *                                                 | *                                              | *                                                        | *                                                         | *                                                        | *                                                         | *                                                       | *                                                       | *                                                       | *                                                       |
| 394                   | 183                  | *                    | 35                                                | 59                                             | 36                                                       | 35                                                        | 54                                                       | 27                                                        | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 395                   | 183                  | 52                   | 35                                                | 61                                             | 36                                                       | 35                                                        | 55                                                       | 28                                                        | 28                                                      | 28                                                      | 28                                                      | 28                                                      |
| 396                   | 184                  | 13                   | 35                                                | 61                                             | 36                                                       | 35                                                        | 55                                                       | 28                                                        | 28                                                      | 28                                                      | 28                                                      | 28                                                      |
| 397                   | 184                  | 35                   | 36                                                | 62                                             | 36                                                       | 36                                                        | 53                                                       | 27                                                        | 28                                                      | 28                                                      | 28                                                      | 28                                                      |
| 398                   | 190                  | 43                   | 35                                                | 65                                             | 36                                                       | 37                                                        | 51                                                       | 29                                                        | 28                                                      | 28                                                      | 28                                                      | 28                                                      |
| 399                   | 191                  | 5                    | 35                                                | 65                                             | 36                                                       | 37                                                        | 51                                                       | 28                                                        | 28                                                      | 28                                                      | 28                                                      | 28                                                      |
| 400                   | 191                  | 26                   | 35                                                | 65                                             | 36                                                       | 37                                                        | 51                                                       | 28                                                        | 28                                                      | 28                                                      | 28                                                      | 28                                                      |
| 401                   | 191                  | 48                   | 36                                                | 65                                             | 36                                                       | 36                                                        | 50                                                       | 28                                                        | 29                                                      | 29                                                      | 29                                                      | 29                                                      |
| 402                   | 192                  | 9                    | 37                                                | 65                                             | 37                                                       | 36                                                        | 51                                                       | 29                                                        | 29                                                      | 29                                                      | 29                                                      | 29                                                      |
| 403                   | 192                  | 31                   | 35                                                | 64                                             | 36                                                       | 36                                                        | 51                                                       | 28                                                        | 29                                                      | 29                                                      | 29                                                      | 28                                                      |



| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG-1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG-1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG-1<br>LORD<br>ISOL.<br>HNT<br>AFT IN<br>AFTOUT<br>DEG.C | 6-10<br>ENG-1<br>LORD<br>ISOL.<br>HNT<br>AFT IN<br>AFTOUT<br>DEG.C | 6-11<br>ENG-2<br>LORD<br>ISOL.<br>HNT<br>AFT IN<br>AFTOUT<br>DEG.C | 6-12<br>ENG-2<br>LORD<br>ISOL.<br>HNT<br>AFT IN<br>AFTOUT<br>DEG.C | 6-14<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 404                   | 192                  | 52                   | 35                                                        | 64                                             | 36                                                                 | 36                                                                 | 37                                                                 | 51                                                                 | 24                                                      | 29                                                      | 29                                                      | 29                                                      |
| 405                   | 193                  | 14                   | 35                                                        | 63                                             | 36                                                                 | 36                                                                 | 36                                                                 | 51                                                                 | 24                                                      | 29                                                      | 29                                                      | 29                                                      |
| 406                   | 193                  | 35                   | 35                                                        | 62                                             | 36                                                                 | 36                                                                 | 37                                                                 | 52                                                                 | 28                                                      | 28                                                      | 28                                                      | 28                                                      |
| 407                   | 193                  | 57                   | 35                                                        | 60                                             | 36                                                                 | 36                                                                 | 38                                                                 | 53                                                                 | 28                                                      | 27                                                      | 27                                                      | 27                                                      |
| 408                   | 194                  | 18                   | 35                                                        | 59                                             | 36                                                                 | 36                                                                 | 38                                                                 | 52                                                                 | 28                                                      | 27                                                      | 27                                                      | 27                                                      |
| 409                   | 194                  | 40                   | 35                                                        | 59                                             | 36                                                                 | 36                                                                 | 38                                                                 | 52                                                                 | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 410                   | 195                  | 1                    | 34                                                        | 59                                             | 37                                                                 | 37                                                                 | 38                                                                 | 52                                                                 | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 411                   | *                    | 1                    | 34                                                        | 59                                             | 37                                                                 | 37                                                                 | 38                                                                 | 52                                                                 | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 412                   | *                    | 5                    | 33                                                        | 59                                             | 37                                                                 | 37                                                                 | 38                                                                 | 53                                                                 | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 413                   | 196                  | 27                   | 33                                                        | 60                                             | 37                                                                 | 37                                                                 | 38                                                                 | 54                                                                 | 27                                                      | 27                                                      | 27                                                      | 27                                                      |
| 414                   | 196                  | 48                   | 32                                                        | 62                                             | 37                                                                 | 37                                                                 | 38                                                                 | 52                                                                 | 28                                                      | 26                                                      | 26                                                      | 26                                                      |
| 415                   | 196                  | 50                   | 31                                                        | 66                                             | 37                                                                 | 37                                                                 | 41                                                                 | 54                                                                 | 28                                                      | 26                                                      | 26                                                      | 26                                                      |
| 416                   | 203                  | 11                   | 32                                                        | 66                                             | 38                                                                 | 38                                                                 | 40                                                                 | 55                                                                 | 29                                                      | 29                                                      | 29                                                      | 29                                                      |
| 417                   | 204                  | 32                   | 34                                                        | 68                                             | 39                                                                 | 39                                                                 | 44                                                                 | 55                                                                 | 29                                                      | 29                                                      | 29                                                      | 29                                                      |
| 418                   | 204                  | 32                   | 34                                                        | 68                                             | 39                                                                 | 39                                                                 | 44                                                                 | 55                                                                 | 29                                                      | 29                                                      | 29                                                      | 29                                                      |
| 419                   | 209                  | 32                   | 34                                                        | 68                                             | 39                                                                 | 39                                                                 | 44                                                                 | 55                                                                 | 29                                                      | 29                                                      | 29                                                      | 29                                                      |
| 420                   | 209                  | 53                   | 34                                                        | 68                                             | 40                                                                 | 40                                                                 | 44                                                                 | 59                                                                 | 34                                                      | 35                                                      | 35                                                      | 35                                                      |
| 421                   | 210                  | 14                   | 34                                                        | 68                                             | 40                                                                 | 40                                                                 | 44                                                                 | 60                                                                 | 35                                                      | 35                                                      | 35                                                      | 35                                                      |
| 422                   | 210                  | 35                   | 34                                                        | 68                                             | 40                                                                 | 40                                                                 | 44                                                                 | 60                                                                 | 35                                                      | 35                                                      | 35                                                      | 35                                                      |
| 423                   | 210                  | 56                   | 34                                                        | 68                                             | 40                                                                 | 40                                                                 | 44                                                                 | 60                                                                 | 35                                                      | 35                                                      | 35                                                      | 35                                                      |
| 424                   | 211                  | 17                   | 34                                                        | 69                                             | 40                                                                 | 40                                                                 | 45                                                                 | 61                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 425                   | 212                  | 33                   | 36                                                        | 71                                             | 40                                                                 | 41                                                                 | 45                                                                 | 61                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 426                   | 212                  | 54                   | 37                                                        | 72                                             | 41                                                                 | 41                                                                 | 46                                                                 | 62                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 427                   | 213                  | 15                   | 36                                                        | 72                                             | 41                                                                 | 41                                                                 | 46                                                                 | 63                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 428                   | *                    | 15                   | 36                                                        | 72                                             | 41                                                                 | 41                                                                 | 46                                                                 | 63                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 429                   | 213                  | 59                   | 37                                                        | 73                                             | 41                                                                 | 41                                                                 | 46                                                                 | 64                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 430                   | 214                  | 20                   | 36                                                        | 74                                             | 41                                                                 | 41                                                                 | 47                                                                 | 64                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 431                   | 214                  | 41                   | 38                                                        | 74                                             | 41                                                                 | 42                                                                 | 48                                                                 | 65                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 432                   | 215                  | 3                    | 37                                                        | 74                                             | 42                                                                 | 42                                                                 | 48                                                                 | 65                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 433                   | 215                  | 24                   | 36                                                        | 73                                             | 41                                                                 | 41                                                                 | 48                                                                 | 66                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 434                   | 215                  | 46                   | 36                                                        | 73                                             | 41                                                                 | 42                                                                 | 48                                                                 | 66                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 435                   | 216                  | 7                    | 36                                                        | 73                                             | 41                                                                 | 42                                                                 | 48                                                                 | 67                                                                 | 37                                                      | 37                                                      | 37                                                      | 37                                                      |
| 436                   | 216                  | 29                   | 37                                                        | 73                                             | 41                                                                 | 42                                                                 | 49                                                                 | 68                                                                 | 36                                                      | 37                                                      | 37                                                      | 37                                                      |
| 437                   | 215                  | 50                   | 37                                                        | 73                                             | 41                                                                 | 42                                                                 | 49                                                                 | 68                                                                 | 36                                                      | 37                                                      | 37                                                      | 37                                                      |
| 438                   | *                    | 33                   | 36                                                        | 72                                             | 42                                                                 | 42                                                                 | 49                                                                 | 68                                                                 | 36                                                      | 37                                                      | 37                                                      | 37                                                      |
| 439                   | 217                  | 33                   | 36                                                        | 72                                             | 42                                                                 | 42                                                                 | 49                                                                 | 69                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 440                   | 217                  | 55                   | 37                                                        | 72                                             | 42                                                                 | 42                                                                 | 49                                                                 | 70                                                                 | 37                                                      | 36                                                      | 36                                                      | 36                                                      |
| 441                   | 218                  | 16                   | 36                                                        | 72                                             | 42                                                                 | 42                                                                 | 49                                                                 | 70                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 442                   | 218                  | 37                   | 36                                                        | 71                                             | 42                                                                 | 42                                                                 | 49                                                                 | 70                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 443                   | 218                  | 59                   | 36                                                        | 71                                             | 42                                                                 | 42                                                                 | 49                                                                 | 71                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 444                   | 219                  | 20                   | 36                                                        | 72                                             | 42                                                                 | 42                                                                 | 51                                                                 | 72                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 445                   | 219                  | 41                   | 36                                                        | 71                                             | 42                                                                 | 42                                                                 | 49                                                                 | 71                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 446                   | 220                  | 3                    | 36                                                        | 70                                             | 42                                                                 | 42                                                                 | 49                                                                 | 71                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 447                   | *                    | 46                   | 36                                                        | 70                                             | 42                                                                 | 42                                                                 | 49                                                                 | 71                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 448                   | 220                  | 8                    | 36                                                        | 70                                             | 42                                                                 | 42                                                                 | 49                                                                 | 71                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 449                   | 221                  | 30                   | 36                                                        | 70                                             | 42                                                                 | 42                                                                 | 49                                                                 | 71                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 450                   | 221                  | 51                   | 36                                                        | 68                                             | 42                                                                 | 42                                                                 | 49                                                                 | 71                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 451                   | 221                  | 13                   | 37                                                        | 68                                             | 42                                                                 | 42                                                                 | 49                                                                 | 72                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 452                   | 222                  | 34                   | 37                                                        | 68                                             | 42                                                                 | 42                                                                 | 49                                                                 | 72                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 453                   | 222                  | 53                   | 37                                                        | 68                                             | 42                                                                 | 42                                                                 | 49                                                                 | 73                                                                 | 36                                                      | 36                                                      | 36                                                      | 36                                                      |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG. 1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG. 1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG. 1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG. 1<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG. 2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG. 2<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG. 1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG. 1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG. 1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG. 1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 454                   | 222                  | 55                   | 37                                                         | 68                                              | *                                                         | 43                                                         | *                                                         | *                                                          | *                                                        | *                                                        | *                                                        | *                                                        |
| 455                   | 223                  | 14                   | 36                                                         | 66                                              | 41                                                        | 43                                                         | 51                                                        | 72                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 456                   | 223                  | 38                   | 36                                                         | 65                                              | 42                                                        | 43                                                         | 51                                                        | 73                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 457                   | 224                  | 0                    | 36                                                         | 65                                              | 42                                                        | 43                                                         | 51                                                        | 72                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 458                   | 224                  | 21                   | 36                                                         | 65                                              | 41                                                        | 43                                                         | 51                                                        | 72                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 459                   | 224                  | 43                   | 36                                                         | 65                                              | 42                                                        | 43                                                         | 51                                                        | 72                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 460                   | 224                  | 5                    | 36                                                         | 65                                              | 42                                                        | 43                                                         | 51                                                        | 72                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 461                   | 225                  | *                    | *                                                          | *                                               | *                                                         | 43                                                         | 51                                                        | 72                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 462                   | 225                  | 48                   | 36                                                         | 64                                              | 42                                                        | 44                                                         | 51                                                        | 72                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 463                   | 226                  | 9                    | 36                                                         | 64                                              | 42                                                        | 43                                                         | 51                                                        | 71                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 464                   | 226                  | 31                   | 35                                                         | 64                                              | 42                                                        | 44                                                         | 51                                                        | 71                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 465                   | 226                  | 53                   | 36                                                         | 62                                              | 42                                                        | 43                                                         | 50                                                        | 71                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 466                   | 227                  | 15                   | 36                                                         | 62                                              | 43                                                        | 44                                                         | 51                                                        | 71                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 467                   | 227                  | *                    | 36                                                         | 63                                              | 43                                                        | 44                                                         | 51                                                        | 71                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 468                   | 227                  | 58                   | 36                                                         | 64                                              | 43                                                        | 44                                                         | 51                                                        | 70                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 469                   | 228                  | 20                   | 36                                                         | 63                                              | 43                                                        | 44                                                         | 51                                                        | 70                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 470                   | 228                  | 42                   | 36                                                         | 63                                              | 42                                                        | 44                                                         | 51                                                        | 70                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 471                   | 229                  | 3                    | 36                                                         | 64                                              | 42                                                        | 44                                                         | 51                                                        | 70                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 472                   | 229                  | *                    | *                                                          | *                                               | *                                                         | 43                                                         | 51                                                        | 71                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 473                   | 229                  | 47                   | 36                                                         | 65                                              | 42                                                        | 44                                                         | 51                                                        | 69                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 474                   | 230                  | 9                    | 36                                                         | 65                                              | 41                                                        | 44                                                         | 51                                                        | 70                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 475                   | 230                  | 30                   | 36                                                         | 65                                              | 42                                                        | 43                                                         | 51                                                        | 71                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 476                   | 230                  | 52                   | 35                                                         | 64                                              | 42                                                        | 43                                                         | 50                                                        | 68                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 477                   | 231                  | 13                   | 36                                                         | 63                                              | *                                                         | *                                                          | *                                                         | *                                                          | *                                                        | *                                                        | *                                                        | *                                                        |
| 478                   | 231                  | 35                   | 36                                                         | 65                                              | 44                                                        | 44                                                         | 50                                                        | 65                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 479                   | 231                  | 56                   | 36                                                         | 65                                              | 44                                                        | 44                                                         | 50                                                        | 64                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 480                   | 232                  | 17                   | 36                                                         | 65                                              | 44                                                        | 44                                                         | 51                                                        | 64                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 481                   | 232                  | 39                   | 36                                                         | 64                                              | 44                                                        | 44                                                         | 49                                                        | 61                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 482                   | 233                  | 0                    | 35                                                         | 64                                              | 44                                                        | 44                                                         | 49                                                        | 61                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 483                   | 233                  | 22                   | *                                                          | *                                               | *                                                         | *                                                          | *                                                         | *                                                          | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 484                   | 233                  | 43                   | 35                                                         | 64                                              | 44                                                        | 44                                                         | 49                                                        | 59                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 485                   | 234                  | 5                    | 35                                                         | 64                                              | 44                                                        | 44                                                         | 49                                                        | 59                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 486                   | 234                  | 27                   | 35                                                         | 63                                              | 44                                                        | 44                                                         | 48                                                        | 58                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 487                   | 234                  | 48                   | 35                                                         | 64                                              | 44                                                        | 44                                                         | 48                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 488                   | 234                  | *                    | *                                                          | *                                               | 44                                                        | 44                                                         | 48                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 489                   | 235                  | 12                   | 36                                                         | 65                                              | 45                                                        | 44                                                         | 49                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 490                   | 235                  | 53                   | 36                                                         | 66                                              | 45                                                        | 44                                                         | 49                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 491                   | 236                  | 14                   | 36                                                         | 66                                              | 44                                                        | 44                                                         | 48                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 492                   | 236                  | 36                   | 36                                                         | 67                                              | 44                                                        | 44                                                         | 48                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 493                   | 236                  | *                    | 36                                                         | 68                                              | 45                                                        | 44                                                         | 48                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 494                   | 237                  | 19                   | 36                                                         | 68                                              | 44                                                        | 44                                                         | 47                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 495                   | 237                  | 41                   | 36                                                         | 68                                              | 44                                                        | 45                                                         | 48                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 496                   | 238                  | 3                    | 36                                                         | 68                                              | 45                                                        | 45                                                         | 48                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 497                   | 238                  | 24                   | 36                                                         | 0                                               | *                                                         | *                                                          | *                                                         | *                                                          | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 498                   | 238                  | 46                   | 36                                                         | 68                                              | 45                                                        | 45                                                         | 47                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 499                   | 239                  | 7                    | 36                                                         | 69                                              | 45                                                        | 44                                                         | 47                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 500                   | 239                  | 29                   | 36                                                         | 69                                              | 45                                                        | 45                                                         | 47                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 501                   | 239                  | 51                   | 36                                                         | 69                                              | 45                                                        | 45                                                         | 47                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 502                   | 240                  | 13                   | 36                                                         | 70                                              | 45                                                        | 45                                                         | 47                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |
| 503                   | 240                  | 34                   | 36                                                         | 70                                              | 46                                                        | 45                                                         | 47                                                        | 57                                                         | 36                                                       | 36                                                       | 36                                                       | 36                                                       |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 504                   | 240                  | 56                   | 36                                                        | 70                                             | 46                                                       | 45                                                        | 46                                                       | 58                                                        | 37                                                      | 36                                                      | 37                                                      | 37                                                      |
| 505                   | 241                  | 18                   | 36                                                        | 70                                             | 45                                                       | 45                                                        | 46                                                       | 58                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 506                   | 241                  | 40                   | 36                                                        | 69                                             | 46                                                       | 45                                                        | 46                                                       | 58                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 507                   | 242                  | 1                    | 36                                                        | 70                                             | 45                                                       | 45                                                        | 46                                                       | 59                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 508                   | 242                  | 23                   | 36                                                        | 71                                             | 45                                                       | 45                                                        | 47                                                       | 59                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 509                   | 242                  | 45                   | 36                                                        | 71                                             | 46                                                       | 45                                                        | 47                                                       | 59                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 510                   | 243                  | 6                    | 36                                                        | 70                                             | 46                                                       | 45                                                        | 47                                                       | 59                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 511                   | 243                  | 28                   | 36                                                        | 71                                             | 46                                                       | 46                                                        | 47                                                       | 60                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 512                   | 243                  | 49                   | 36                                                        | 71                                             | 46                                                       | 46                                                        | 47                                                       | 60                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 513                   | 244                  | 11                   | 36                                                        | 71                                             | 46                                                       | 46                                                        | 48                                                       | 60                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 514                   | 244                  | 32                   | 36                                                        | 72                                             | 46                                                       | 46                                                        | 48                                                       | 60                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 515                   | 244                  | 54                   | 36                                                        | 72                                             | 46                                                       | 46                                                        | 48                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 516                   | 245                  | 15                   | 36                                                        | 73                                             | 46                                                       | 46                                                        | 48                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 517                   | 245                  | 37                   | 36                                                        | 73                                             | 46                                                       | 46                                                        | 48                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 518                   | 245                  | 58                   | 36                                                        | 73                                             | 46                                                       | 46                                                        | 48                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 519                   | 246                  | 20                   | 36                                                        | 73                                             | 46                                                       | 46                                                        | 48                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 520                   | 246                  | 41                   | 36                                                        | 73                                             | 47                                                       | 46                                                        | 49                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 521                   | 247                  | 3                    | 36                                                        | 73                                             | 0                                                        | 46                                                        | 49                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 522                   | 247                  | 25                   | 36                                                        | 74                                             | 47                                                       | 46                                                        | 49                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 523                   | 247                  | 46                   | 36                                                        | 74                                             | 48                                                       | 46                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 524                   | 248                  | 8                    | 36                                                        | 74                                             | 48                                                       | 47                                                        | 50                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 525                   | 248                  | 25                   | 36                                                        | 74                                             | 48                                                       | 47                                                        | 51                                                       | 64                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 526                   | 248                  | 51                   | 36                                                        | 75                                             | 47                                                       | 47                                                        | 50                                                       | 65                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 527                   | 249                  | 12                   | 36                                                        | 76                                             | 48                                                       | 47                                                        | 50                                                       | 65                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 528                   | 249                  | 34                   | 36                                                        | 76                                             | 48                                                       | 46                                                        | 51                                                       | 66                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 529                   | 249                  | 55                   | 36                                                        | 75                                             | 47                                                       | 48                                                        | 51                                                       | 65                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 530                   | 250                  | 17                   | 36                                                        | 75                                             | 48                                                       | 48                                                        | 51                                                       | 65                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 531                   | 250                  | 38                   | 36                                                        | 75                                             | 47                                                       | 48                                                        | 51                                                       | 64                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 532                   | 251                  | 0                    | 36                                                        | 77                                             | 48                                                       | 48                                                        | 51                                                       | 64                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 533                   | 251                  | 21                   | 36                                                        | 77                                             | 48                                                       | 47                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 534                   | 251                  | 43                   | 36                                                        | 78                                             | 48                                                       | 47                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 535                   | 252                  | 5                    | 36                                                        | 78                                             | 48                                                       | 47                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 536                   | 252                  | 26                   | 36                                                        | 79                                             | 48                                                       | 48                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 537                   | 252                  | 48                   | 36                                                        | 79                                             | 48                                                       | 48                                                        | 49                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 538                   | 253                  | 9                    | 36                                                        | 79                                             | 48                                                       | 48                                                        | 49                                                       | 62                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 539                   | 253                  | 31                   | 36                                                        | 80                                             | 48                                                       | 48                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 540                   | 254                  | 15                   | 36                                                        | 81                                             | 48                                                       | 48                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 541                   | 254                  | 37                   | 40                                                        | 83                                             | 48                                                       | 49                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 542                   | 254                  | 58                   | 41                                                        | 82                                             | 49                                                       | 49                                                        | 49                                                       | 64                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 543                   | 254                  | 58                   | 41                                                        | 82                                             | 49                                                       | 49                                                        | 49                                                       | 64                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 544                   | 255                  | 20                   | 41                                                        | 83                                             | 48                                                       | 49                                                        | 49                                                       | 63                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |

HM-51C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G-BOX<br>(START)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G-BOX<br>(START)<br>TEMP<br>DEG.C | 6-28<br>ENG.2<br>ACCESS<br>G-BOX<br>(IF FR)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| 308                   | 141                  | 13                   | 36                                                      | 37                                                      | 39                                                      | 39                                                        | 37                                                        | 41                                                        | 37                                                        | 41                                                           | 41                                                           | 47                                                           |
| 309                   | 141                  | 34                   | 37                                                      | 38                                                      | 42                                                      | 41                                                        | 38                                                        | 44                                                        | 38                                                        | 42                                                           | 48                                                           | 34                                                           |
| 310                   | 141                  | 56                   | 38                                                      | 39                                                      | 42                                                      | 42                                                        | 39                                                        | 45                                                        | 38                                                        | 41                                                           | 50                                                           | 41                                                           |
| 311                   | 142                  | 17                   | 38                                                      | 38                                                      | 41                                                      | 41                                                        | 38                                                        | 45                                                        | 38                                                        | 42                                                           | 51                                                           | 44                                                           |
| 312                   | 142                  | 19                   | 34                                                      | 39                                                      | 40                                                      | 41                                                        | 38                                                        | 42                                                        | 38                                                        | 41                                                           | 50                                                           | 47                                                           |
| 313                   | 142                  | 19                   | 34                                                      | 39                                                      | 40                                                      | 41                                                        | 38                                                        | 42                                                        | 38                                                        | 41                                                           | 50                                                           | 50                                                           |
| 314                   | 143                  | 22                   | 33                                                      | 39                                                      | 40                                                      | 41                                                        | 38                                                        | 51                                                        | 38                                                        | 50                                                           | 50                                                           | 53                                                           |
| 315                   | 143                  | 43                   | 33                                                      | 39                                                      | 40                                                      | 41                                                        | 38                                                        | 51                                                        | 38                                                        | 50                                                           | 50                                                           | 55                                                           |
| 316                   | 144                  | 4                    | 37                                                      | 38                                                      | 34                                                      | 41                                                        | 36                                                        | 44                                                        | 34                                                        | 62                                                           | 50                                                           | 55                                                           |
| 317                   | 144                  | 26                   | 37                                                      | 37                                                      | 37                                                      | 42                                                        | 36                                                        | 44                                                        | 34                                                        | 62                                                           | 49                                                           | 59                                                           |
| 318                   | 144                  | 26                   | 35                                                      | 36                                                      | 37                                                      | 42                                                        | 36                                                        | 45                                                        | 39                                                        | 61                                                           | 50                                                           | 61                                                           |
| 319                   | 145                  | 8                    | 35                                                      | 36                                                      | 38                                                      | 42                                                        | 36                                                        | 45                                                        | 39                                                        | 61                                                           | 50                                                           | 62                                                           |
| 320                   | 145                  | 10                   | 35                                                      | 36                                                      | 38                                                      | 42                                                        | 36                                                        | 45                                                        | 40                                                        | 61                                                           | 49                                                           | 63                                                           |
| 321                   | 145                  | 21                   | 34                                                      | 35                                                      | 38                                                      | 41                                                        | 37                                                        | 46                                                        | 33                                                        | 61                                                           | 50                                                           | 65                                                           |
| 322                   | 146                  | 12                   | 35                                                      | 36                                                      | 38                                                      | 41                                                        | 37                                                        | 47                                                        | 42                                                        | 61                                                           | 50                                                           | 66                                                           |
| 323                   | 146                  | 33                   | 35                                                      | 36                                                      | 38                                                      | 41                                                        | 37                                                        | 46                                                        | 42                                                        | 61                                                           | 50                                                           | 66                                                           |
| 324                   | 147                  | 16                   | 36                                                      | 36                                                      | 37                                                      | 43                                                        | 39                                                        | 48                                                        | 41                                                        | 60                                                           | 50                                                           | 68                                                           |
| 325                   | 147                  | 16                   | 36                                                      | 36                                                      | 37                                                      | 43                                                        | 39                                                        | 48                                                        | 41                                                        | 60                                                           | 50                                                           | 68                                                           |
| 326                   | 147                  | 58                   | 35                                                      | 36                                                      | 38                                                      | 42                                                        | 38                                                        | 59                                                        | 42                                                        | 59                                                           | 49                                                           | 69                                                           |
| 327                   | 147                  | 20                   | 35                                                      | 36                                                      | 38                                                      | 42                                                        | 38                                                        | 59                                                        | 42                                                        | 59                                                           | 49                                                           | 69                                                           |
| 328                   | 148                  | 20                   | 35                                                      | 36                                                      | 38                                                      | 42                                                        | 38                                                        | 59                                                        | 42                                                        | 59                                                           | 49                                                           | 69                                                           |
| 329                   | 148                  | 41                   | 34                                                      | 34                                                      | 35                                                      | 40                                                        | 35                                                        | 72                                                        | 42                                                        | 57                                                           | 48                                                           | 67                                                           |
| 330                   | 149                  | 3                    | 34                                                      | 34                                                      | 34                                                      | 42                                                        | 36                                                        | 66                                                        | 41                                                        | 56                                                           | 48                                                           | 67                                                           |
| 331                   | 149                  | 24                   | 33                                                      | 33                                                      | 34                                                      | 42                                                        | 36                                                        | 61                                                        | 43                                                        | 56                                                           | 48                                                           | 66                                                           |
| 332                   | 149                  | 45                   | 33                                                      | 34                                                      | 34                                                      | 42                                                        | 36                                                        | 61                                                        | 44                                                        | 56                                                           | 48                                                           | 66                                                           |
| 333                   | 150                  | 6                    | 33                                                      | 33                                                      | 34                                                      | 42                                                        | 36                                                        | 61                                                        | 44                                                        | 56                                                           | 48                                                           | 66                                                           |
| 334                   | 150                  | 28                   | 33                                                      | 33                                                      | 33                                                      | 41                                                        | 35                                                        | 60                                                        | 44                                                        | 55                                                           | 48                                                           | 66                                                           |
| 335                   | 150                  | 29                   | 32                                                      | 32                                                      | 33                                                      | 41                                                        | 35                                                        | 60                                                        | 43                                                        | 55                                                           | 47                                                           | 66                                                           |
| 336                   | 151                  | 10                   | 32                                                      | 32                                                      | 32                                                      | 41                                                        | 34                                                        | 59                                                        | 42                                                        | 54                                                           | 47                                                           | 65                                                           |
| 337                   | 151                  | 32                   | 31                                                      | 31                                                      | 32                                                      | 40                                                        | 34                                                        | 59                                                        | 42                                                        | 54                                                           | 46                                                           | 66                                                           |
| 338                   | 151                  | 53                   | 29                                                      | 29                                                      | 31                                                      | 39                                                        | 33                                                        | 59                                                        | 41                                                        | 54                                                           | 46                                                           | 65                                                           |
| 339                   | 152                  | 14                   | 27                                                      | 28                                                      | 29                                                      | 38                                                        | 31                                                        | 58                                                        | 39                                                        | 53                                                           | 45                                                           | 65                                                           |
| 340                   | 152                  | 36                   | 27                                                      | 28                                                      | 29                                                      | 38                                                        | 31                                                        | 58                                                        | 39                                                        | 53                                                           | 45                                                           | 65                                                           |
| 341                   | 152                  | 57                   | 26                                                      | 27                                                      | 28                                                      | 37                                                        | 29                                                        | 58                                                        | 38                                                        | 52                                                           | 45                                                           | 65                                                           |
| 342                   | 152                  | 16                   | 25                                                      | 26                                                      | 27                                                      | 36                                                        | 29                                                        | 57                                                        | 36                                                        | 52                                                           | 45                                                           | 65                                                           |
| 343                   | 153                  | 16                   | 24                                                      | 25                                                      | 26                                                      | 36                                                        | 28                                                        | 57                                                        | 36                                                        | 52                                                           | 45                                                           | 64                                                           |
| 344                   | 154                  | 1                    | 24                                                      | 24                                                      | 25                                                      | 36                                                        | 28                                                        | 55                                                        | 36                                                        | 51                                                           | 44                                                           | 64                                                           |
| 345                   | 154                  | 22                   | 24                                                      | 24                                                      | 25                                                      | 35                                                        | 27                                                        | 53                                                        | 35                                                        | 51                                                           | 44                                                           | 63                                                           |
| 346                   | 154                  | 44                   | 22                                                      | 22                                                      | 25                                                      | 34                                                        | 26                                                        | 54                                                        | 35                                                        | 51                                                           | 44                                                           | 63                                                           |
| 347                   | 155                  | 5                    | 22                                                      | 22                                                      | 25                                                      | 34                                                        | 26                                                        | 54                                                        | 35                                                        | 50                                                           | 42                                                           | 61                                                           |
| 348                   | 155                  | 26                   | 21                                                      | 21                                                      | 23                                                      | 33                                                        | 25                                                        | 51                                                        | 33                                                        | 50                                                           | 42                                                           | 61                                                           |
| 349                   | 156                  | 48                   | 21                                                      | 21                                                      | 22                                                      | 32                                                        | 26                                                        | 51                                                        | 32                                                        | 49                                                           | 42                                                           | 61                                                           |
| 350                   | 156                  | 9                    | 21                                                      | 21                                                      | 22                                                      | 32                                                        | 25                                                        | 51                                                        | 33                                                        | 49                                                           | 42                                                           | 61                                                           |
| 351                   | 156                  | 10                   | 21                                                      | 21                                                      | 22                                                      | 32                                                        | 25                                                        | 50                                                        | 33                                                        | 49                                                           | 42                                                           | 61                                                           |
| 352                   | 156                  | 52                   | 20                                                      | 21                                                      | 22                                                      | 32                                                        | 25                                                        | 50                                                        | 32                                                        | 49                                                           | 42                                                           | 61                                                           |
| 353                   | 157                  | 13                   | 19                                                      | 21                                                      | 21                                                      | 32                                                        | 25                                                        | 50                                                        | 32                                                        | 46                                                           | 41                                                           | 60                                                           |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG-1<br>INLET<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG-1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG-1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG-1<br>COMPT<br>UPPER<br>AFI<br>AIRTMP<br>DEG.C | 6-24<br>ENG-1<br>COMPT<br>LOWER<br>AIRFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG-1<br>ACCESS<br>G-BOX<br>(SIRT)<br>TEMP<br>DEG.C | 6-27<br>ENG-2<br>ACCESS<br>G-BOX<br>(SIRT)<br>TEMP<br>DEG.C | 6-28<br>ENG-2<br>ACCESS<br>G-BOX<br>(SIRT)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| 354                   | 157                  | 34                   | 20                                               | 20                                                      | 21                                                      | 32                                                        | 25                                                        | 51                                                        | 32                                                          | 48                                                          | 41                                                          | 59                                                          |
| 355                   | 157                  | 56                   | 19                                               | 20                                                      | 22                                                      | 32                                                        | 25                                                        | 50                                                        | 31                                                          | 48                                                          | 41                                                          | 59                                                          |
| 356                   | 157                  | 17                   | 19                                               | 21                                                      | 22                                                      | 32                                                        | 25                                                        | 50                                                        | 32                                                          | 48                                                          | 40                                                          | 59                                                          |
| 357                   | 161                  | 27                   | 18                                               | 19                                                      | 19                                                      | 29                                                        | 24                                                        | 47                                                        | 31                                                          | 45                                                          | 38                                                          | 57                                                          |
| 358                   | 155                  | 9                    | 17                                               | 17                                                      | 18                                                      | 28                                                        | 22                                                        | 51                                                        | 30                                                          | 42                                                          | 37                                                          | 57                                                          |
| 359                   | 166                  | 48                   | 16                                               | 16                                                      | 17                                                      | 28                                                        | 22                                                        | 45                                                        | 29                                                          | 42                                                          | 36                                                          | 56                                                          |
| 360                   | 166                  | 25                   | 17                                               | 16                                                      | 18                                                      | 31                                                        | 28                                                        | 55                                                        | 29                                                          | 42                                                          | 36                                                          | 56                                                          |
| 361                   | 171                  | 50                   | 18                                               | 18                                                      | 19                                                      | 30                                                        | 28                                                        | 54                                                        | 29                                                          | 41                                                          | 35                                                          | 55                                                          |
| 362                   | 171                  | 11                   | 18                                               | 18                                                      | 19                                                      | 31                                                        | 21                                                        | 54                                                        | 29                                                          | 41                                                          | 35                                                          | 55                                                          |
| 363                   | 172                  | 33                   | 18                                               | 18                                                      | 19                                                      | 33                                                        | 21                                                        | 54                                                        | 29                                                          | 41                                                          | 35                                                          | 55                                                          |
| 364                   | 172                  | 54                   | 19                                               | 19                                                      | 19                                                      | 34                                                        | 21                                                        | 55                                                        | 30                                                          | 48                                                          | 35                                                          | 55                                                          |
| 365                   | 173                  | 15                   | 19                                               | 19                                                      | 20                                                      | 34                                                        | 21                                                        | 58                                                        | 29                                                          | 41                                                          | 35                                                          | 55                                                          |
| 366                   | 173                  | 36                   | 19                                               | 20                                                      | 21                                                      | 35                                                        | 22                                                        | 56                                                        | 30                                                          | 48                                                          | 35                                                          | 55                                                          |
| 367                   | 173                  | 57                   | 21                                               | 22                                                      | 21                                                      | 36                                                        | 22                                                        | 69                                                        | 31                                                          | 48                                                          | 35                                                          | 55                                                          |
| 368                   | 174                  | 18                   | 21                                               | 22                                                      | 22                                                      | 37                                                        | 22                                                        | 73                                                        | 31                                                          | 41                                                          | 35                                                          | 55                                                          |
| 369                   | *                    | *                    | 22                                               | 22                                                      | 22                                                      | 38                                                        | 22                                                        | 74                                                        | 31                                                          | 41                                                          | 35                                                          | 55                                                          |
| 370                   | *                    | *                    | 22                                               | 22                                                      | 22                                                      | 36                                                        | 22                                                        | 75                                                        | 32                                                          | 41                                                          | 36                                                          | 56                                                          |
| 371                   | 175                  | 21                   | 22                                               | 22                                                      | 22                                                      | 34                                                        | 22                                                        | 77                                                        | 31                                                          | 41                                                          | 36                                                          | 55                                                          |
| 372                   | 175                  | 42                   | 22                                               | 23                                                      | 23                                                      | 35                                                        | 23                                                        | 77                                                        | 31                                                          | 41                                                          | 36                                                          | 55                                                          |
| 373                   | 176                  | 3                    | *                                                | *                                                       | *                                                       | 34                                                        | 24                                                        | 75                                                        | 34                                                          | 41                                                          | 36                                                          | 55                                                          |
| 374                   | 176                  | 24                   | *                                                | *                                                       | *                                                       | *                                                         | *                                                         | *                                                         | *                                                           | *                                                           | *                                                           | *                                                           |
| 375                   | 176                  | 46                   | 25                                               | 27                                                      | 27                                                      | 36                                                        | *                                                         | *                                                         | *                                                           | *                                                           | *                                                           | *                                                           |
| 376                   | 177                  | 7                    | 27                                               | 27                                                      | 27                                                      | 36                                                        | 27                                                        | 75                                                        | 34                                                          | *                                                           | *                                                           | *                                                           |
| 377                   | 177                  | 28                   | 27                                               | 27                                                      | 27                                                      | 36                                                        | 27                                                        | 75                                                        | 34                                                          | 42                                                          | 37                                                          | 56                                                          |
| 378                   | 177                  | 49                   | 27                                               | 28                                                      | 28                                                      | 38                                                        | 27                                                        | 77                                                        | 35                                                          | 42                                                          | 38                                                          | 57                                                          |
| 379                   | 178                  | 10                   | 27                                               | 28                                                      | 28                                                      | 38                                                        | 28                                                        | 77                                                        | 35                                                          | 42                                                          | 38                                                          | 57                                                          |
| 380                   | 178                  | 31                   | 28                                               | 28                                                      | 28                                                      | 40                                                        | 28                                                        | 77                                                        | 34                                                          | 42                                                          | 38                                                          | 57                                                          |
| 381                   | 178                  | 52                   | 28                                               | 28                                                      | 29                                                      | 40                                                        | 29                                                        | 58                                                        | 35                                                          | 42                                                          | 38                                                          | 58                                                          |
| 382                   | 179                  | 13                   | 29                                               | 28                                                      | 29                                                      | 31                                                        | 31                                                        | 54                                                        | 35                                                          | 42                                                          | 38                                                          | 58                                                          |
| 383                   | 179                  | 34                   | 27                                               | 27                                                      | 27                                                      | 36                                                        | 31                                                        | 55                                                        | 35                                                          | 41                                                          | 38                                                          | 57                                                          |
| 384                   | 179                  | 56                   | 27                                               | 27                                                      | 27                                                      | 34                                                        | 30                                                        | 54                                                        | 33                                                          | 41                                                          | 38                                                          | 58                                                          |
| 385                   | 180                  | 17                   | 26                                               | 27                                                      | 27                                                      | 33                                                        | 30                                                        | 54                                                        | 32                                                          | 41                                                          | 37                                                          | *                                                           |
| 386                   | 180                  | 39                   | 26                                               | 27                                                      | 28                                                      | 33                                                        | 30                                                        | 55                                                        | *                                                           | *                                                           | *                                                           | *                                                           |
| 387                   | 181                  | 0                    | 27                                               | 27                                                      | 27                                                      | *                                                         | *                                                         | *                                                         | *                                                           | *                                                           | *                                                           | *                                                           |
| 388                   | 181                  | 22                   | 27                                               | 27                                                      | 27                                                      | *                                                         | *                                                         | *                                                         | *                                                           | *                                                           | *                                                           | *                                                           |
| 389                   | 181                  | 43                   | *                                                | *                                                       | *                                                       | 32                                                        | 29                                                        | 52                                                        | 33                                                          | 42                                                          | 38                                                          | 58                                                          |
| 390                   | 182                  | 4                    | *                                                | *                                                       | *                                                       | 30                                                        | 30                                                        | 46                                                        | 34                                                          | 42                                                          | 38                                                          | 60                                                          |
| 391                   | 182                  | 26                   | 27                                               | 28                                                      | 29                                                      | 31                                                        | 31                                                        | 46                                                        | 35                                                          | 42                                                          | 38                                                          | 61                                                          |
| 392                   | 182                  | 47                   | 27                                               | 28                                                      | 29                                                      | 31                                                        | 31                                                        | 57                                                        | 35                                                          | 42                                                          | 39                                                          | 64                                                          |
| 393                   | *                    | *                    | 28                                               | 28                                                      | 29                                                      | 32                                                        | 30                                                        | 58                                                        | 35                                                          | 42                                                          | 39                                                          | 64                                                          |
| 394                   | *                    | *                    | 24                                               | 28                                                      | 29                                                      | 33                                                        | 32                                                        | 48                                                        | 35                                                          | 43                                                          | 40                                                          | 65                                                          |
| 395                   | 183                  | 52                   | 28                                               | 29                                                      | 29                                                      | 35                                                        | 32                                                        | 45                                                        | 35                                                          | 43                                                          | 40                                                          | 65                                                          |
| 396                   | 184                  | 13                   | 28                                               | 29                                                      | 29                                                      | 36                                                        | 33                                                        | 45                                                        | 35                                                          | 44                                                          | 40                                                          | 68                                                          |
| 397                   | 184                  | 35                   | 28                                               | 29                                                      | 29                                                      | 37                                                        | 33                                                        | 42                                                        | 35                                                          | 44                                                          | 40                                                          | 68                                                          |
| 398                   | 180                  | 43                   | 28                                               | 29                                                      | 31                                                      | 37                                                        | 32                                                        | 38                                                        | 34                                                          | 46                                                          | 44                                                          | 71                                                          |
| 399                   | 191                  | 5                    | 28                                               | 29                                                      | 31                                                      | 37                                                        | 32                                                        | 38                                                        | 35                                                          | 46                                                          | 44                                                          | 71                                                          |
| 400                   | 191                  | 26                   | 28                                               | 30                                                      | 30                                                      | 37                                                        | 34                                                        | 39                                                        | 35                                                          | 46                                                          | 44                                                          | 70                                                          |
| 401                   | 191                  | 48                   | 29                                               | 30                                                      | 31                                                      | 36                                                        | 32                                                        | 41                                                        | 34                                                          | 47                                                          | 45                                                          | 71                                                          |
| 402                   | 192                  | 9                    | 29                                               | 30                                                      | 30                                                      | 36                                                        | 33                                                        | 41                                                        | 36                                                          | 47                                                          | 45                                                          | 72                                                          |
| 403                   | 192                  | 31                   | 28                                               | 29                                                      | 29                                                      | 34                                                        | 32                                                        | 50                                                        | 35                                                          | 46                                                          | 45                                                          | 71                                                          |

| -01<br>SNEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G.BOX<br>(STR)I<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G.BOX<br>(STR)I<br>TEMP<br>DEG.C | 6-28<br>ENG.2<br>ACCESS<br>G.BOX<br>(STR)I<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| 404                   | 192                  | 52                   | 28                                                      | 29                                                      | 30                                                      | 35                                                        | 29                                                        | 63                                                        | 35                                                        | 46                                                          | 44                                                          | 69                                                          |
| 405                   | 193                  | 14                   | 28                                                      | 28                                                      | 29                                                      | 37                                                        | 29                                                        | 67                                                        | 36                                                        | 45                                                          | 44                                                          | 68                                                          |
| 406                   | 193                  | 35                   | 28                                                      | 28                                                      | 29                                                      | 37                                                        | 31                                                        | 58                                                        | 36                                                        | 45                                                          | 44                                                          | 66                                                          |
| 407                   | 193                  | 57                   | 28                                                      | 28                                                      | 29                                                      | 36                                                        | 31                                                        | 55                                                        | 36                                                        | 45                                                          | 43                                                          | 65                                                          |
| 408                   | 194                  | 18                   | 27                                                      | 28                                                      | 29                                                      | 37                                                        | 31                                                        | 55                                                        | *                                                         | 45                                                          | *                                                           | 63                                                          |
| 409                   | 194                  | 40                   | *                                                       | *                                                       | *                                                       | *                                                         | *                                                         | *                                                         | *                                                         | 45                                                          | 43                                                          | 63                                                          |
| 410                   | 195                  | 1                    | 11                                                      | 27                                                      | 28                                                      | 36                                                        | 30                                                        | 57                                                        | 37                                                        | 45                                                          | 43                                                          | 63                                                          |
| 411                   | *                    | 41                   | 27                                                      | 27                                                      | 27                                                      | 35                                                        | 30                                                        | 58                                                        | 38                                                        | 45                                                          | 43                                                          | 63                                                          |
| 412                   | *                    | *                    | 27                                                      | 27                                                      | 27                                                      | 35                                                        | 29                                                        | 57                                                        | 37                                                        | 45                                                          | 42                                                          | 62                                                          |
| 413                   | 196                  | 5                    | 26                                                      | 27                                                      | 28                                                      | 35                                                        | 30                                                        | 56                                                        | 37                                                        | 45                                                          | 42                                                          | 62                                                          |
| 414                   | 196                  | 27                   | 26                                                      | 27                                                      | 27                                                      | 36                                                        | 30                                                        | 56                                                        | 37                                                        | 45                                                          | 42                                                          | 61                                                          |
| 415                   | 196                  | 48                   | 27                                                      | 27                                                      | 27                                                      | 36                                                        | 30                                                        | 56                                                        | 37                                                        | 45                                                          | 42                                                          | 61                                                          |
| 416                   | 203                  | 11                   | 15                                                      | 29                                                      | 30                                                      | 39                                                        | 32                                                        | 60                                                        | 42                                                        | 44                                                          | 42                                                          | 62                                                          |
| 417                   | 204                  | 11                   | 29                                                      | 30                                                      | 30                                                      | 39                                                        | 32                                                        | 59                                                        | 41                                                        | 44                                                          | 42                                                          | 61                                                          |
| 418                   | 204                  | 32                   | 29                                                      | 30                                                      | 30                                                      | 38                                                        | 33                                                        | 59                                                        | 41                                                        | 44                                                          | 42                                                          | 61                                                          |
| 419                   | 209                  | 32                   | 36                                                      | 35                                                      | 36                                                      | 44                                                        | 36                                                        | 64                                                        | 44                                                        | 46                                                          | 45                                                          | 65                                                          |
| 420                   | 209                  | 53                   | 36                                                      | 36                                                      | 36                                                      | 44                                                        | 36                                                        | 65                                                        | 44                                                        | 45                                                          | 45                                                          | 66                                                          |
| 421                   | 210                  | 14                   | 35                                                      | 36                                                      | 36                                                      | 46                                                        | 37                                                        | 66                                                        | 44                                                        | 45                                                          | 45                                                          | 66                                                          |
| 422                   | 210                  | 35                   | 35                                                      | 36                                                      | 36                                                      | 46                                                        | 37                                                        | 67                                                        | 44                                                        | 45                                                          | 45                                                          | 66                                                          |
| 423                   | 210                  | 56                   | 35                                                      | 37                                                      | 37                                                      | 48                                                        | 37                                                        | 75                                                        | 44                                                        | 46                                                          | 46                                                          | 66                                                          |
| 424                   | 211                  | 17                   | 36                                                      | 36                                                      | 37                                                      | 48                                                        | 37                                                        | 75                                                        | 44                                                        | 46                                                          | 46                                                          | 66                                                          |
| 425                   | 212                  | 33                   | 36                                                      | 37                                                      | 38                                                      | 49                                                        | 38                                                        | 78                                                        | 44                                                        | 47                                                          | 47                                                          | 68                                                          |
| 426                   | 212                  | 54                   | 37                                                      | 38                                                      | 39                                                      | 48                                                        | 37                                                        | 78                                                        | 44                                                        | 47                                                          | 47                                                          | 68                                                          |
| 427                   | 213                  | 15                   | *                                                       | *                                                       | *                                                       | 46                                                        | 35                                                        | 59                                                        | 47                                                        | 47                                                          | 47                                                          | 68                                                          |
| 428                   | *                    | *                    | 36                                                      | 36                                                      | 38                                                      | 45                                                        | 37                                                        | 56                                                        | 47                                                        | 47                                                          | 47                                                          | 68                                                          |
| 429                   | 213                  | 53                   | 36                                                      | 36                                                      | 37                                                      | 45                                                        | 37                                                        | 55                                                        | 47                                                        | 47                                                          | 47                                                          | 70                                                          |
| 430                   | 214                  | 20                   | 36                                                      | 36                                                      | 37                                                      | 45                                                        | 37                                                        | 55                                                        | 47                                                        | 47                                                          | 47                                                          | 70                                                          |
| 431                   | 214                  | 41                   | 36                                                      | 38                                                      | 38                                                      | 46                                                        | 38                                                        | 55                                                        | 46                                                        | 48                                                          | 49                                                          | 70                                                          |
| 432                   | 215                  | 3                    | 37                                                      | 38                                                      | 38                                                      | 45                                                        | 37                                                        | 55                                                        | 45                                                        | 48                                                          | 48                                                          | 71                                                          |
| 433                   | 215                  | 24                   | 36                                                      | 37                                                      | 38                                                      | 44                                                        | 38                                                        | 52                                                        | 45                                                        | 48                                                          | 48                                                          | 71                                                          |
| 434                   | 215                  | 46                   | 36                                                      | 37                                                      | 38                                                      | 44                                                        | 38                                                        | 52                                                        | 45                                                        | 48                                                          | 48                                                          | 71                                                          |
| 435                   | 215                  | 27                   | 36                                                      | 37                                                      | 39                                                      | 44                                                        | 37                                                        | 52                                                        | 46                                                        | 48                                                          | 48                                                          | 72                                                          |
| 436                   | 215                  | 29                   | 37                                                      | 37                                                      | 38                                                      | 44                                                        | 37                                                        | 52                                                        | *                                                         | *                                                           | *                                                           | *                                                           |
| 437                   | 216                  | 58                   | 37                                                      | 37                                                      | 38                                                      | 44                                                        | 37                                                        | 52                                                        | *                                                         | *                                                           | *                                                           | *                                                           |
| 438                   | *                    | *                    | 36                                                      | 37                                                      | 38                                                      | 44                                                        | 37                                                        | 52                                                        | 44                                                        | 48                                                          | 48                                                          | 72                                                          |
| 439                   | 217                  | 33                   | 36                                                      | 36                                                      | 38                                                      | 43                                                        | 38                                                        | 51                                                        | 45                                                        | 48                                                          | 48                                                          | 73                                                          |
| 440                   | 217                  | 55                   | 36                                                      | 36                                                      | 38                                                      | 43                                                        | 38                                                        | 51                                                        | 45                                                        | 48                                                          | 48                                                          | 73                                                          |
| 441                   | 218                  | 16                   | 36                                                      | 36                                                      | 37                                                      | 44                                                        | 37                                                        | 50                                                        | 44                                                        | 49                                                          | 49                                                          | 73                                                          |
| 442                   | 218                  | 37                   | 36                                                      | 37                                                      | 38                                                      | 43                                                        | 37                                                        | 50                                                        | 44                                                        | 49                                                          | 49                                                          | 73                                                          |
| 443                   | 218                  | 59                   | 36                                                      | 38                                                      | 39                                                      | 43                                                        | 38                                                        | 50                                                        | 46                                                        | 49                                                          | 49                                                          | 74                                                          |
| 444                   | 219                  | 20                   | 36                                                      | 38                                                      | 38                                                      | 43                                                        | 37                                                        | 50                                                        | 47                                                        | 49                                                          | 49                                                          | 74                                                          |
| 445                   | 219                  | 41                   | 36                                                      | 36                                                      | 38                                                      | 43                                                        | 38                                                        | 49                                                        | 46                                                        | 48                                                          | 48                                                          | 74                                                          |
| 446                   | 220                  | 3                    | 36                                                      | 36                                                      | 38                                                      | 43                                                        | 38                                                        | 49                                                        | 46                                                        | 48                                                          | 48                                                          | 73                                                          |
| 447                   | *                    | *                    | 36                                                      | 36                                                      | 37                                                      | 43                                                        | 36                                                        | 49                                                        | 46                                                        | 48                                                          | 48                                                          | 73                                                          |
| 448                   | 220                  | 46                   | 36                                                      | 36                                                      | 37                                                      | 43                                                        | 36                                                        | 49                                                        | 46                                                        | 48                                                          | 48                                                          | 73                                                          |
| 449                   | 221                  | 8                    | 36                                                      | 36                                                      | 38                                                      | 43                                                        | 38                                                        | 50                                                        | 47                                                        | 49                                                          | 49                                                          | 74                                                          |
| 450                   | 221                  | 30                   | 36                                                      | 36                                                      | 38                                                      | 43                                                        | 37                                                        | 51                                                        | 47                                                        | 49                                                          | 49                                                          | 74                                                          |
| 451                   | 221                  | 51                   | 36                                                      | 36                                                      | 38                                                      | 43                                                        | 37                                                        | 51                                                        | 47                                                        | 49                                                          | 49                                                          | 74                                                          |
| 452                   | 222                  | 13                   | 36                                                      | 37                                                      | 38                                                      | 43                                                        | 37                                                        | 50                                                        | 45                                                        | 49                                                          | 50                                                          | 74                                                          |
| 453                   | 222                  | 34                   | 36                                                      | 38                                                      | 36                                                      | 43                                                        | 37                                                        | 50                                                        | 45                                                        | 49                                                          | 50                                                          | 74                                                          |

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G-BOX<br>(START)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G-BOX<br>(START)<br>TEMP<br>DEG.C | 6-28<br>ENG.2<br>ACCESS<br>G-BOX<br>(FRI)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|
| 454                   | 222                  | 55                   | 36                                                      | 37                                                      | 38                                                      | 43                                                        | 38                                                        | 52                                                        | 41                                                        | 48                                                           | 50                                                           | 74                                                         |
| 455                   | 223                  | 14                   | 36                                                      | 37                                                      | 37                                                      | 43                                                        | 38                                                        | 51                                                        | 41                                                        | 46                                                           | 49                                                           | 74                                                         |
| 456                   | 223                  | 30                   | 36                                                      | 37                                                      | 37                                                      | 44                                                        | 37                                                        | 52                                                        | 41                                                        | 48                                                           | 49                                                           | 73                                                         |
| 457                   | 224                  | 0                    | 36                                                      | 37                                                      | 38                                                      | 43                                                        | 37                                                        | 53                                                        | 41                                                        | 48                                                           | 49                                                           | 73                                                         |
| 458                   | 224                  | 21                   | 36                                                      | 37                                                      | 37                                                      | 44                                                        | 38                                                        | 54                                                        | 41                                                        | 48                                                           | 50                                                           | 73                                                         |
| 459                   | 224                  | 43                   | 36                                                      | 37                                                      | 37                                                      | 44                                                        | 38                                                        | 54                                                        | 41                                                        | 48                                                           | 49                                                           | 73                                                         |
| 460                   | 225                  | 5                    | 36                                                      | 37                                                      | 37                                                      | 44                                                        | 38                                                        | 54                                                        | 41                                                        | 48                                                           | 50                                                           | 73                                                         |
| 461                   | 225                  | 19                   | 36                                                      | 37                                                      | 38                                                      | 44                                                        | 38                                                        | 56                                                        | 41                                                        | 48                                                           | 50                                                           | 73                                                         |
| 462                   | 225                  | 40                   | 36                                                      | 37                                                      | 38                                                      | 44                                                        | 38                                                        | 56                                                        | 41                                                        | 48                                                           | 50                                                           | 73                                                         |
| 463                   | 226                  | 9                    | 36                                                      | 37                                                      | 37                                                      | 44                                                        | 38                                                        | 54                                                        | 42                                                        | 48                                                           | 51                                                           | 73                                                         |
| 464                   | 226                  | 31                   | 36                                                      | 37                                                      | 38                                                      | 45                                                        | 38                                                        | 55                                                        | 43                                                        | 48                                                           | 50                                                           | 72                                                         |
| 465                   | 226                  | 53                   | 36                                                      | 37                                                      | 37                                                      | 46                                                        | 38                                                        | 56                                                        | 44                                                        | 48                                                           | 50                                                           | 72                                                         |
| 466                   | 227                  | 15                   | 36                                                      | 37                                                      | 37                                                      | 46                                                        | 38                                                        | 56                                                        | 44                                                        | 48                                                           | 50                                                           | 72                                                         |
| 467                   | 227                  | 37                   | 36                                                      | 37                                                      | 38                                                      | 47                                                        | 38                                                        | 60                                                        | 43                                                        | 48                                                           | 50                                                           | 72                                                         |
| 468                   | 227                  | 58                   | 36                                                      | 37                                                      | 38                                                      | 46                                                        | 38                                                        | 59                                                        | 42                                                        | 48                                                           | 50                                                           | 72                                                         |
| 469                   | 228                  | 20                   | 36                                                      | 37                                                      | 38                                                      | 46                                                        | 38                                                        | 59                                                        | 43                                                        | 48                                                           | 50                                                           | 73                                                         |
| 470                   | 228                  | 42                   | 36                                                      | 37                                                      | 38                                                      | 46                                                        | 36                                                        | 64                                                        | 42                                                        | 48                                                           | 50                                                           | 71                                                         |
| 471                   | 229                  | 3                    | 36                                                      | 37                                                      | 38                                                      | 46                                                        | 36                                                        | 64                                                        | 42                                                        | 48                                                           | 50                                                           | 71                                                         |
| 472                   | 229                  | 27                   | 36                                                      | 37                                                      | 38                                                      | 46                                                        | 37                                                        | 62                                                        | 43                                                        | 48                                                           | 50                                                           | 71                                                         |
| 473                   | 229                  | 47                   | 36                                                      | 37                                                      | 38                                                      | 47                                                        | 38                                                        | 61                                                        | 43                                                        | 48                                                           | 50                                                           | 71                                                         |
| 474                   | 230                  | 9                    | 36                                                      | 37                                                      | 37                                                      | 46                                                        | 38                                                        | 61                                                        | 43                                                        | 48                                                           | 50                                                           | 71                                                         |
| 475                   | 230                  | 30                   | 36                                                      | 37                                                      | 37                                                      | 46                                                        | 38                                                        | 60                                                        | 43                                                        | 48                                                           | 50                                                           | 71                                                         |
| 476                   | 230                  | 52                   | 36                                                      | 37                                                      | 36                                                      | 44                                                        | 39                                                        | 64                                                        | 43                                                        | 46                                                           | 51                                                           | 72                                                         |
| 477                   | 231                  | 13                   | 37                                                      | 37                                                      | 38                                                      | 46                                                        | 39                                                        | 67                                                        | 44                                                        | 48                                                           | 51                                                           | 72                                                         |
| 478                   | 231                  | 35                   | 37                                                      | 37                                                      | 38                                                      | 48                                                        | 40                                                        | 70                                                        | 45                                                        | 48                                                           | 52                                                           | 71                                                         |
| 479                   | 231                  | 56                   | 37                                                      | 37                                                      | 38                                                      | 48                                                        | 40                                                        | 69                                                        | 45                                                        | 49                                                           | 52                                                           | 70                                                         |
| 480                   | 232                  | 17                   | 37                                                      | 37                                                      | 37                                                      | 48                                                        | 40                                                        | 69                                                        | 45                                                        | 49                                                           | 52                                                           | 69                                                         |
| 481                   | 232                  | 39                   | 37                                                      | 37                                                      | 37                                                      | 45                                                        | 39                                                        | 69                                                        | 44                                                        | 48                                                           | 51                                                           | 68                                                         |
| 482                   | 233                  | 0                    | 37                                                      | 37                                                      | 37                                                      | 45                                                        | 39                                                        | 69                                                        | 45                                                        | 48                                                           | 51                                                           | 66                                                         |
| 483                   | 233                  | 22                   | 37                                                      | 37                                                      | 37                                                      | 46                                                        | 39                                                        | 69                                                        | 45                                                        | 48                                                           | 51                                                           | 65                                                         |
| 484                   | 233                  | 45                   | 36                                                      | 37                                                      | 37                                                      | 45                                                        | 39                                                        | 69                                                        | 45                                                        | 48                                                           | 51                                                           | 65                                                         |
| 485                   | 234                  | 5                    | 36                                                      | 37                                                      | 36                                                      | 45                                                        | 39                                                        | 70                                                        | 45                                                        | 48                                                           | 51                                                           | 64                                                         |
| 486                   | 234                  | 27                   | 36                                                      | 37                                                      | 38                                                      | 46                                                        | 39                                                        | 70                                                        | 45                                                        | 48                                                           | 50                                                           | 63                                                         |
| 487                   | 234                  | 48                   | 36                                                      | 37                                                      | 37                                                      | 46                                                        | 40                                                        | 70                                                        | 45                                                        | 48                                                           | 50                                                           | 62                                                         |
| 488                   | 235                  | 12                   | 37                                                      | 37                                                      | 37                                                      | 46                                                        | 40                                                        | 71                                                        | 45                                                        | 48                                                           | 50                                                           | 62                                                         |
| 489                   | 235                  | 35                   | 36                                                      | 37                                                      | 37                                                      | 46                                                        | 40                                                        | 71                                                        | 45                                                        | 49                                                           | 51                                                           | 62                                                         |
| 490                   | 235                  | 53                   | 37                                                      | 37                                                      | 38                                                      | 49                                                        | 40                                                        | 70                                                        | 46                                                        | 49                                                           | 51                                                           | 61                                                         |
| 491                   | 236                  | 14                   | 37                                                      | 37                                                      | 38                                                      | 51                                                        | 40                                                        | 69                                                        | 46                                                        | 49                                                           | 49                                                           | 61                                                         |
| 492                   | 236                  | 36                   | 37                                                      | 37                                                      | 37                                                      | 0                                                         | 40                                                        | 69                                                        | 46                                                        | 49                                                           | 49                                                           | 61                                                         |
| 493                   | 237                  | 19                   | 36                                                      | 37                                                      | 37                                                      | 47                                                        | 41                                                        | 70                                                        | 46                                                        | 49                                                           | 49                                                           | 61                                                         |
| 494                   | 237                  | 41                   | 37                                                      | 37                                                      | 37                                                      | 47                                                        | 41                                                        | 71                                                        | 46                                                        | 49                                                           | 48                                                           | 61                                                         |
| 495                   | 237                  | 53                   | 37                                                      | 37                                                      | 38                                                      | 47                                                        | 41                                                        | 71                                                        | 46                                                        | 49                                                           | 49                                                           | 61                                                         |
| 496                   | 238                  | 3                    | 37                                                      | 37                                                      | 37                                                      | 46                                                        | 41                                                        | 70                                                        | 46                                                        | 49                                                           | 49                                                           | 62                                                         |
| 497                   | 238                  | 24                   | 37                                                      | 37                                                      | 38                                                      | 46                                                        | 41                                                        | 69                                                        | 46                                                        | 49                                                           | 49                                                           | 62                                                         |
| 498                   | 238                  | 46                   | 37                                                      | 37                                                      | 38                                                      | 46                                                        | 40                                                        | 70                                                        | 46                                                        | 49                                                           | 48                                                           | 62                                                         |
| 499                   | 239                  | 7                    | 37                                                      | 37                                                      | 38                                                      | 47                                                        | 41                                                        | 70                                                        | 46                                                        | 49                                                           | 48                                                           | 62                                                         |
| 500                   | 239                  | 29                   | 37                                                      | 37                                                      | 38                                                      | 47                                                        | 41                                                        | 70                                                        | 46                                                        | 49                                                           | 48                                                           | 62                                                         |
| 501                   | 239                  | 51                   | 37                                                      | 37                                                      | 38                                                      | 47                                                        | 41                                                        | 70                                                        | 46                                                        | 49                                                           | 48                                                           | 62                                                         |
| 502                   | 240                  | 13                   | 37                                                      | 37                                                      | 38                                                      | 48                                                        | 41                                                        | 70                                                        | 46                                                        | 49                                                           | 48                                                           | 62                                                         |
| 503                   | 240                  | 34                   | 37                                                      | 37                                                      | 38                                                      | 47                                                        | 41                                                        | 70                                                        | 46                                                        | 49                                                           | 48                                                           | 62                                                         |

| -JL<br>SLEEP<br>TIME | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-10                                    |                                         | 6-13                                    |                                         | 6-20                                       |                                            | 6-21                                       |                                            | 6-22                                                |                                                     | 6-23                                                |  | 6-24 |  | 6-25 |  | 6-27 |  | 6-28 |  |
|----------------------|----------------------|----------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|--|------|--|------|--|------|--|------|--|
|                      |                      |                      | ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C | ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C | ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C | ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C | ENG.1<br>COMPT<br>UPPER<br>AIRTMP<br>DEG.C | ENG.1<br>COMPT<br>LOWER<br>AIRTMP<br>DEG.C | ENG.1<br>COMPT<br>UPPER<br>AIRTMP<br>DEG.C | ENG.1<br>COMPT<br>LOWER<br>AIRTMP<br>DEG.C | ENG.1<br>ACCESS<br>G-BOX<br>(STRT)<br>TEMP<br>DEG.C | ENG.2<br>ACCESS<br>G-BOX<br>(STRT)<br>TEMP<br>DEG.C | ENG.2<br>ACCESS<br>G-BOX<br>(STRT)<br>TEMP<br>DEG.C |  |      |  |      |  |      |  |      |  |
| 504                  | 240                  | 56                   | 37                                      | 39                                      | 38                                      | 47                                      | 41                                         | 71                                         | 45                                         | 49                                         | 48                                                  | 62                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 505                  | 241                  | 18                   | 37                                      | 39                                      | 38                                      | 47                                      | 41                                         | 72                                         | 45                                         | 49                                         | 48                                                  | 63                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 506                  | 241                  | 40                   | 36                                      | 37                                      | 38                                      | 45                                      | 40                                         | 71                                         | 45                                         | 49                                         | 48                                                  | 64                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 507                  | 242                  | 1                    | 37                                      | 37                                      | 38                                      | 46                                      | 40                                         | 70                                         | 46                                         | 49                                         | 48                                                  | 64                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 508                  | 242                  | 23                   | 36                                      | 37                                      | 38                                      | 46                                      | 41                                         | 69                                         | 45                                         | 50                                         | 48                                                  | 64                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 509                  | 242                  | 45                   | 36                                      | 37                                      | 38                                      | 46                                      | 41                                         | 68                                         | 45                                         | 50                                         | 48                                                  | 65                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 510                  | 243                  | 6                    | 36                                      | 38                                      | 38                                      | 46                                      | 40                                         | 66                                         | 47                                         | 50                                         | 49                                                  | 65                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 511                  | 243                  | 28                   | 36                                      | 38                                      | 39                                      | 46                                      | 41                                         | 65                                         | 48                                         | 51                                         | 49                                                  | 66                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 512                  | 243                  | 49                   | 36                                      | 38                                      | 39                                      | 48                                      | 41                                         | 65                                         | 48                                         | 51                                         | 49                                                  | 66                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 513                  | 244                  | 69                   | 36                                      | 38                                      | 39                                      | 48                                      | 41                                         | 66                                         | 49                                         | 51                                         | 49                                                  | 66                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 514                  | 244                  | 11                   | 36                                      | 38                                      | 39                                      | 48                                      | 41                                         | 68                                         | 49                                         | 51                                         | 49                                                  | 66                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 515                  | 244                  | 32                   | 36                                      | 38                                      | 39                                      | 48                                      | 41                                         | 68                                         | 49                                         | 51                                         | 49                                                  | 66                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 516                  | 245                  | 54                   | 36                                      | 38                                      | 39                                      | 48                                      | 41                                         | 65                                         | 49                                         | 51                                         | 49                                                  | 67                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 517                  | 245                  | 15                   | 36                                      | 38                                      | 39                                      | 49                                      | 41                                         | 67                                         | 48                                         | 51                                         | 50                                                  | 67                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 518                  | 245                  | 37                   | 36                                      | 39                                      | 39                                      | 47                                      | 41                                         | 64                                         | 48                                         | 52                                         | 49                                                  | 68                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 519                  | 245                  | 58                   | 36                                      | 39                                      | 39                                      | 47                                      | 41                                         | 64                                         | 48                                         | 51                                         | 49                                                  | 67                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 520                  | 246                  | 20                   | 36                                      | 39                                      | 39                                      | 48                                      | 41                                         | 65                                         | 48                                         | 51                                         | 49                                                  | 68                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 521                  | 246                  | 41                   | 36                                      | 39                                      | 39                                      | 49                                      | 41                                         | 65                                         | 48                                         | 51                                         | 49                                                  | 68                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 522                  | 247                  | 3                    | 36                                      | 39                                      | 40                                      | 48                                      | 41                                         | 65                                         | 48                                         | 51                                         | 50                                                  | 68                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 523                  | 247                  | 25                   | 36                                      | 39                                      | 40                                      | 48                                      | 41                                         | 65                                         | 48                                         | 51                                         | 50                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 524                  | 247                  | 46                   | 36                                      | 39                                      | 40                                      | 48                                      | 41                                         | 65                                         | 48                                         | 51                                         | 50                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 525                  | 248                  | 8                    | 36                                      | 39                                      | 40                                      | 49                                      | 41                                         | 68                                         | 49                                         | 51                                         | 50                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 526                  | 248                  | 28                   | 36                                      | 39                                      | 40                                      | 49                                      | 41                                         | 68                                         | 49                                         | 51                                         | 50                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 527                  | 248                  | 51                   | 36                                      | 39                                      | 40                                      | 50                                      | 41                                         | 72                                         | 48                                         | 52                                         | 50                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 528                  | 249                  | 12                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 529                  | 249                  | 34                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 530                  | 249                  | 55                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 69                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 531                  | 250                  | 17                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 532                  | 250                  | 38                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 533                  | 251                  | 0                    | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 534                  | 251                  | 21                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 535                  | 251                  | 43                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 536                  | 252                  | 5                    | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 537                  | 252                  | 26                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 538                  | 252                  | 48                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 539                  | 253                  | 9                    | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 540                  | 253                  | 31                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 541                  | 254                  | 15                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 542                  | 254                  | 37                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 543                  | 254                  | 58                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |
| 544                  | 255                  | 20                   | 36                                      | 39                                      | 41                                      | 50                                      | 41                                         | 73                                         | 48                                         | 52                                         | 51                                                  | 70                                                  |                                                     |  |      |  |      |  |      |  |      |  |



HH-51C S/N 68-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>IMBO<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBO<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPR<br>CASE<br>TEMP<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CASE<br>TEMP<br>DEG.C | 7-14<br>ENG.1<br>COMPR<br>CASE<br>TEMP<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CASE<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| 308                   | 141                  | 16                   | 47                                                         | 47                                                        | 45                                                         | 44                                                       | 42                                             | 45                                             | 45                                              | 48                                              | 47                                              | 48                                              |
| 309                   | 141                  | 37                   | 47                                                         | 47                                                        | 46                                                         | 45                                                       | 43                                             | 46                                             | 45                                              | 49                                              | 47                                              | 48                                              |
| 310                   | 141                  | 58                   | 47                                                         | 47                                                        | 45                                                         | 44                                                       | 42                                             | 45                                             | 45                                              | 48                                              | 47                                              | 48                                              |
| 311                   | 142                  | 20                   | 47                                                         | 47                                                        | 45                                                         | 44                                                       | 43                                             | 45                                             | 44                                              | 48                                              | 47                                              | 48                                              |
| 312                   | 142                  | 41                   | 47                                                         | 46                                                        | 45                                                         | 44                                                       | 42                                             | 45                                             | 44                                              | 48                                              | 46                                              | 47                                              |
| 313                   | 143                  | 3                    | 47                                                         | 46                                                        | 45                                                         | 45                                                       | 43                                             | 45                                             | 45                                              | 48                                              | 46                                              | 48                                              |
| 314                   | 143                  | 24                   | 47                                                         | 46                                                        | 45                                                         | 42                                                       | 40                                             | 46                                             | 46                                              | 52                                              | 52                                              | 51                                              |
| 315                   | 143                  | 46                   | 47                                                         | 47                                                        | 45                                                         | 41                                                       | 55                                             | 49                                             | 48                                              | 55                                              | 61                                              | 61                                              |
| 316                   | 143                  | 46                   | 47                                                         | 47                                                        | 45                                                         | 40                                                       | 56                                             | 48                                             | 51                                              | 64                                              | 75                                              | 72                                              |
| 317                   | 144                  | 28                   | 48                                                         | 48                                                        | 46                                                         | 40                                                       | 58                                             | 49                                             | 57                                              | 81                                              | 83                                              | 81                                              |
| 318                   | 144                  | 49                   | 48                                                         | 48                                                        | 46                                                         | 40                                                       | 58                                             | 49                                             | 57                                              | 89                                              | 84                                              | 85                                              |
| 319                   | 145                  | 11                   | 48                                                         | 48                                                        | 45                                                         | 41                                                       | 61                                             | 49                                             | 59                                              | 96                                              | 84                                              | 89                                              |
| 320                   | 145                  | 32                   | 48                                                         | 48                                                        | 45                                                         | 40                                                       | 63                                             | 49                                             | 60                                              | 101                                             | 85                                              | 90                                              |
| 321                   | 145                  | 53                   | 48                                                         | 48                                                        | 45                                                         | 40                                                       | 64                                             | 50                                             | 62                                              | 104                                             | 85                                              | 92                                              |
| 322                   | 146                  | 15                   | 49                                                         | 49                                                        | 46                                                         | 41                                                       | 64                                             | 50                                             | 62                                              | 106                                             | 87                                              | 94                                              |
| 323                   | 146                  | 36                   | 50                                                         | 49                                                        | 46                                                         | 41                                                       | 65                                             | 50                                             | 64                                              | 107                                             | 88                                              | 96                                              |
| 325                   | 147                  | 18                   | 51                                                         | 51                                                        | 48                                                         | 41                                                       | 68                                             | 51                                             | 64                                              | 111                                             | 89                                              | 96                                              |
| 326                   | 147                  | 48                   | 50                                                         | 50                                                        | 48                                                         | 42                                                       | 68                                             | 51                                             | 64                                              | 110                                             | 89                                              | 96                                              |
| 327                   | 148                  | 1                    | 51                                                         | 51                                                        | 48                                                         | 41                                                       | 69                                             | 49                                             | 66                                              | 114                                             | 96                                              | 105                                             |
| 328                   | 148                  | 22                   | 52                                                         | 52                                                        | 48                                                         | 42                                                       | 70                                             | 48                                             | 68                                              | 123                                             | 103                                             | 112                                             |
| 329                   | 148                  | 41                   | 54                                                         | 54                                                        | 48                                                         | 41                                                       | 70                                             | 46                                             | 71                                              | 129                                             | 102                                             | 114                                             |
| 330                   | 149                  | 5                    | 53                                                         | 53                                                        | 48                                                         | 42                                                       | 70                                             | 46                                             | 71                                              | 132                                             | 102                                             | 115                                             |
| 331                   | 149                  | 26                   | 55                                                         | 53                                                        | 48                                                         | 42                                                       | 69                                             | 45                                             | 73                                              | 132                                             | 99                                              | 114                                             |
| 332                   | 149                  | 48                   | 55                                                         | 53                                                        | 48                                                         | 42                                                       | 69                                             | 45                                             | 73                                              | 132                                             | 99                                              | 114                                             |
| 333                   | 150                  | 9                    | 56                                                         | 54                                                        | 46                                                         | 42                                                       | 68                                             | 45                                             | 70                                              | 133                                             | 99                                              | 114                                             |
| 334                   | 150                  | 30                   | 57                                                         | 55                                                        | 46                                                         | 41                                                       | 68                                             | 44                                             | 70                                              | 132                                             | 99                                              | 114                                             |
| 335                   | 150                  | 52                   | 57                                                         | 54                                                        | 46                                                         | 42                                                       | 68                                             | 45                                             | 70                                              | 133                                             | 99                                              | 113                                             |
| 336                   | 151                  | 13                   | 58                                                         | 54                                                        | 45                                                         | 40                                                       | 68                                             | 45                                             | 71                                              | 134                                             | 99                                              | 113                                             |
| 337                   | 151                  | 34                   | 58                                                         | 54                                                        | 45                                                         | 39                                                       | 67                                             | 45                                             | 70                                              | 134                                             | 98                                              | 113                                             |
| 338                   | 151                  | 56                   | 57                                                         | 53                                                        | 45                                                         | 39                                                       | 67                                             | 45                                             | 70                                              | 133                                             | 97                                              | 112                                             |
| 339                   | 152                  | 17                   | 58                                                         | 54                                                        | 44                                                         | 38                                                       | 67                                             | 44                                             | 69                                              | 133                                             | 96                                              | 111                                             |
| 340                   | 152                  | 38                   | 58                                                         | 54                                                        | 44                                                         | 37                                                       | 67                                             | 44                                             | 69                                              | 134                                             | 96                                              | 110                                             |
| 341                   | 153                  | 0                    | 59                                                         | 54                                                        | 44                                                         | 36                                                       | 67                                             | 44                                             | 69                                              | 134                                             | 95                                              | 110                                             |
| 342                   | 153                  | 21                   | 58                                                         | 54                                                        | 44                                                         | 36                                                       | 67                                             | 45                                             | 69                                              | 134                                             | 95                                              | 111                                             |
| 343                   | 153                  | 42                   | 58                                                         | 53                                                        | 44                                                         | 34                                                       | 67                                             | 44                                             | 69                                              | 134                                             | 94                                              | 110                                             |
| 344                   | 154                  | 4                    | 58                                                         | 53                                                        | 43                                                         | 34                                                       | 67                                             | 44                                             | 68                                              | 134                                             | 93                                              | 108                                             |
| 345                   | 154                  | 25                   | 58                                                         | 53                                                        | 42                                                         | 34                                                       | 66                                             | 44                                             | 67                                              | 130                                             | 92                                              | 107                                             |
| 346                   | 154                  | 46                   | 58                                                         | 53                                                        | 42                                                         | 33                                                       | 65                                             | 44                                             | 66                                              | 130                                             | 91                                              | 107                                             |
| 347                   | 154                  | 5                    | 58                                                         | 53                                                        | 42                                                         | 33                                                       | 65                                             | 44                                             | 66                                              | 129                                             | 90                                              | 107                                             |
| 348                   | 154                  | 4                    | 58                                                         | 53                                                        | 42                                                         | 32                                                       | 64                                             | 44                                             | 65                                              | 129                                             | 90                                              | 106                                             |
| 349                   | 155                  | 50                   | 58                                                         | 53                                                        | 40                                                         | 32                                                       | 64                                             | 44                                             | 65                                              | 128                                             | 90                                              | 106                                             |
| 350                   | 156                  | 12                   | 57                                                         | 51                                                        | 40                                                         | 32                                                       | 64                                             | 43                                             | 63                                              | 127                                             | 89                                              | 103                                             |
| 351                   | 156                  | 33                   | 56                                                         | 50                                                        | 40                                                         | 32                                                       | 64                                             | 43                                             | 63                                              | 126                                             | 90                                              | 103                                             |
| 352                   | 156                  | 54                   | 56                                                         | 50                                                        | 40                                                         | 32                                                       | 64                                             | 43                                             | 63                                              | 126                                             | 90                                              | 103                                             |
| 353                   | 157                  | 16                   | 56                                                         | 51                                                        | 40                                                         | 32                                                       | 64                                             | 43                                             | 63                                              | 126                                             | 90                                              | 103                                             |

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITER<br>HOUR<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>OUTBD<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPR<br>CSE<br>SIG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CSE<br>SIG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPR<br>CSE<br>SIG.3<br>5.00<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CSE<br>SIG.4<br>5.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
|                       |                      |                      |                                                            |                                                            |                                                             |                                                           |                                                        |                                                        |                                                         |                                                         |                                                         |                                                         |
| 355                   | 157                  | 50                   | 56                                                         | 51                                                         | 40                                                          | 32                                                        | 63                                                     | 43                                                     | 60                                                      | 125                                                     | 87                                                      | 102                                                     |
| 356                   | 158                  | 20                   | 55                                                         | 51                                                         | 40                                                          | 32                                                        | 62                                                     | 42                                                     | 59                                                      | 124                                                     | 87                                                      | 103                                                     |
| 357                   | 161                  | 23                   | 54                                                         | 50                                                         | 39                                                          | 30                                                        | 61                                                     | 42                                                     | 58                                                      | 123                                                     | 85                                                      | 99                                                      |
| 358                   | 165                  | 11                   | 54                                                         | 50                                                         | 38                                                          | 27                                                        | 60                                                     | 42                                                     | 56                                                      | 121                                                     | 83                                                      | 97                                                      |
| 359                   | 166                  | 51                   | 55                                                         | 49                                                         | 37                                                          | 27                                                        | 60                                                     | 42                                                     | 56                                                      | 120                                                     | 82                                                      | 97                                                      |
| 360                   | 168                  | 28                   | 53                                                         | 50                                                         | 38                                                          | 27                                                        | 59                                                     | 42                                                     | 55                                                      | 119                                                     | 81                                                      | 97                                                      |
| 361                   | 171                  | 53                   | 53                                                         | 51                                                         | 37                                                          | 28                                                        | 60                                                     | 42                                                     | 53                                                      | 121                                                     | 81                                                      | 97                                                      |
| 362                   | 172                  | 14                   | 53                                                         | 51                                                         | 37                                                          | 29                                                        | 59                                                     | 42                                                     | 53                                                      | 120                                                     | 82                                                      | 97                                                      |
| 363                   | 172                  | 35                   | 52                                                         | 51                                                         | 38                                                          | 29                                                        | 59                                                     | 43                                                     | 52                                                      | 123                                                     | 82                                                      | 98                                                      |
| 364                   | 172                  | 56                   | 53                                                         | 51                                                         | 38                                                          | 29                                                        | 58                                                     | 43                                                     | 53                                                      | 119                                                     | 82                                                      | 98                                                      |
| 365                   | 173                  | 17                   | 52                                                         | 51                                                         | 38                                                          | 29                                                        | 58                                                     | 42                                                     | 53                                                      | 119                                                     | 84                                                      | 100                                                     |
| 366                   | 173                  | 30                   | 53                                                         | 52                                                         | 38                                                          | 30                                                        | 59                                                     | 43                                                     | 53                                                      | 121                                                     | 84                                                      | 100                                                     |
| 367                   | 174                  | 0                    | 53                                                         | 52                                                         | 38                                                          | 31                                                        | 58                                                     | 43                                                     | 55                                                      | 122                                                     | 84                                                      | 101                                                     |
| 368                   | 174                  | 21                   | 53                                                         | 53                                                         | 38                                                          | 31                                                        | 58                                                     | 43                                                     | 55                                                      | 122                                                     | 84                                                      | 101                                                     |
| 369                   | 174                  | 42                   | 53                                                         | 53                                                         | 39                                                          | 31                                                        | 58                                                     | 43                                                     | 55                                                      | 122                                                     | 84                                                      | 101                                                     |
| 370                   | 175                  | 3                    | 53                                                         | 54                                                         | 40                                                          | 31                                                        | 59                                                     | 43                                                     | 56                                                      | 122                                                     | 82                                                      | 98                                                      |
| 371                   | 175                  | 24                   | 53                                                         | 54                                                         | 39                                                          | 31                                                        | 57                                                     | 43                                                     | 56                                                      | 120                                                     | 80                                                      | 98                                                      |
| 372                   | 175                  | 45                   | 53                                                         | 54                                                         | 39                                                          | 32                                                        | 57                                                     | 44                                                     | 56                                                      | 116                                                     | 81                                                      | 98                                                      |
| 373                   | 176                  | 6                    | 53                                                         | 54                                                         | 41                                                          | 33                                                        | 57                                                     | 44                                                     | 56                                                      | 120                                                     | 82                                                      | 98                                                      |
| 374                   | 176                  | 27                   | 53                                                         | 54                                                         | 41                                                          | 34                                                        | 57                                                     | 44                                                     | 57                                                      | 122                                                     | 84                                                      | 100                                                     |
| 375                   | 176                  | 48                   | 53                                                         | 54                                                         | 41                                                          | 34                                                        | 57                                                     | 44                                                     | 57                                                      | 122                                                     | 85                                                      | 100                                                     |
| 376                   | 177                  | 9                    | 53                                                         | 55                                                         | 42                                                          | 34                                                        | 58                                                     | 44                                                     | 59                                                      | 125                                                     | 85                                                      | 100                                                     |
| 377                   | 177                  | 2                    | 53                                                         | 55                                                         | 42                                                          | 34                                                        | 58                                                     | 44                                                     | 60                                                      | 124                                                     | 85                                                      | 101                                                     |
| 378                   | 177                  | 13                   | 53                                                         | 55                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 62                                                      | 122                                                     | 84                                                      | 101                                                     |
| 379                   | 178                  | 24                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 102                                                     |
| 380                   | 179                  | 39                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 102                                                     |
| 381                   | 179                  | 51                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 382                   | 179                  | 16                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 383                   | 179                  | 37                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 384                   | 179                  | 58                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 385                   | 180                  | 19                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 386                   | 180                  | 40                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 387                   | 180                  | 61                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 388                   | 180                  | 82                   | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 389                   | 180                  | 103                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 390                   | 180                  | 124                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 391                   | 180                  | 145                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 392                   | 180                  | 166                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 393                   | 180                  | 187                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 394                   | 180                  | 208                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 395                   | 180                  | 229                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 396                   | 180                  | 250                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 397                   | 180                  | 271                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 398                   | 180                  | 292                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 399                   | 180                  | 313                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 400                   | 180                  | 334                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 401                   | 180                  | 355                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 402                   | 180                  | 376                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 403                   | 180                  | 397                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 404                   | 180                  | 418                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 405                   | 180                  | 439                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 406                   | 180                  | 460                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 407                   | 180                  | 481                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 408                   | 180                  | 502                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 409                   | 180                  | 523                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 410                   | 180                  | 544                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 411                   | 180                  | 565                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 412                   | 180                  | 586                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 413                   | 180                  | 607                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 414                   | 180                  | 628                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 415                   | 180                  | 649                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 416                   | 180                  | 670                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 417                   | 180                  | 691                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 418                   | 180                  | 712                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 419                   | 180                  | 733                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 420                   | 180                  | 754                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 421                   | 180                  | 775                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 422                   | 180                  | 796                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 423                   | 180                  | 817                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 424                   | 180                  | 838                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 425                   | 180                  | 859                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 426                   | 180                  | 880                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 427                   | 180                  | 901                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 428                   | 180                  | 922                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 429                   | 180                  | 943                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 430                   | 180                  | 964                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 431                   | 180                  | 985                  | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 432                   | 180                  | 1006                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 433                   | 180                  | 1027                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 434                   | 180                  | 1048                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 435                   | 180                  | 1069                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 436                   | 180                  | 1090                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 437                   | 180                  | 1111                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 438                   | 180                  | 1132                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 439                   | 180                  | 1153                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 440                   | 180                  | 1174                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 441                   | 180                  | 1195                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 442                   | 180                  | 1216                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 443                   | 180                  | 1237                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 444                   | 180                  | 1258                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 445                   | 180                  | 1279                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 446                   | 180                  | 1300                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 447                   | 180                  | 1321                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 448                   | 180                  | 1342                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 449                   | 180                  | 1363                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 450                   | 180                  | 1384                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 451                   | 180                  | 1405                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 452                   | 180                  | 1426                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 453                   | 180                  | 1447                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 454                   | 180                  | 1468                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 455                   | 180                  | 1489                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 456                   | 180                  | 1510                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 457                   | 180                  | 1531                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 458                   | 180                  | 1552                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 459                   | 180                  | 1573                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 460                   | 180                  | 1594                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 461                   | 180                  | 1615                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 462                   | 180                  | 1636                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 463                   | 180                  | 1657                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 464                   | 180                  | 1678                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 465                   | 180                  | 1699                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 466                   | 180                  | 1720                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 467                   | 180                  | 1741                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 468                   | 180                  | 1762                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 469                   | 180                  | 1783                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58                                                     | 44                                                     | 61                                                      | 121                                                     | 85                                                      | 103                                                     |
| 470                   | 180                  | 1804                 | 53                                                         | 54                                                         | 42                                                          | 35                                                        | 58</                                                   |                                                        |                                                         |                                                         |                                                         |                                                         |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>INBO<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>OUTBO<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>6.80<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>3.80<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 404                   | 192                  | 55                   | 55                                                          | 56                                                         | 48                                                          | 36                                                        | 62                                                     | 45                                                     | 61                                                      | 113                                                     | 96                                                      | 104                                                     |
| 405                   | 193                  | 16                   | 57                                                          | 57                                                         | 48                                                          | 36                                                        | 63                                                     | 45                                                     | 64                                                      | 119                                                     | 95                                                      | 107                                                     |
| 406                   | 193                  | 38                   | 57                                                          | 56                                                         | 46                                                          | 34                                                        | *                                                      | 43                                                     | *                                                       | 126                                                     | 94                                                      | 108                                                     |
| 407                   | *                    | *                    | *                                                           | *                                                          | *                                                           | *                                                         | *                                                      | *                                                      | 66                                                      | 126                                                     | 94                                                      | 108                                                     |
| 408                   | 194                  | 42                   | 57                                                          | 55                                                         | 44                                                          | 36                                                        | 62                                                     | 43                                                     | 66                                                      | 126                                                     | 94                                                      | 107                                                     |
| 409                   | 195                  | 4                    | 58                                                          | 55                                                         | 43                                                          | 36                                                        | 61                                                     | 43                                                     | 65                                                      | 126                                                     | 93                                                      | 106                                                     |
| 410                   | 195                  | 25                   | 58                                                          | 54                                                         | 43                                                          | 36                                                        | 61                                                     | 42                                                     | 64                                                      | 126                                                     | 92                                                      | 106                                                     |
| 411                   | 195                  | 46                   | 58                                                          | 55                                                         | 43                                                          | 36                                                        | 62                                                     | 43                                                     | 63                                                      | 125                                                     | 92                                                      | 105                                                     |
| 412                   | 195                  | 8                    | 58                                                          | 55                                                         | 43                                                          | 36                                                        | 61                                                     | 42                                                     | 62                                                      | 125                                                     | 91                                                      | 105                                                     |
| 413                   | 196                  | 29                   | 58                                                          | 56                                                         | 43                                                          | 36                                                        | 61                                                     | 42                                                     | 62                                                      | 125                                                     | 91                                                      | 105                                                     |
| 414                   | 195                  | 51                   | 58                                                          | 56                                                         | 43                                                          | 36                                                        | 61                                                     | 40                                                     | 62                                                      | 126                                                     | 91                                                      | 105                                                     |
| 415                   | 196                  | 52                   | 59                                                          | 58                                                         | 45                                                          | 39                                                        | 63                                                     | 40                                                     | 63                                                      | 130                                                     | 96                                                      | 109                                                     |
| 416                   | 203                  | 14                   | 59                                                          | 57                                                         | 46                                                          | 39                                                        | 64                                                     | 40                                                     | 63                                                      | 130                                                     | 96                                                      | 110                                                     |
| 417                   | 204                  | 35                   | 59                                                          | 58                                                         | 45                                                          | 39                                                        | 63                                                     | 40                                                     | 63                                                      | 130                                                     | 95                                                      | 110                                                     |
| 418                   | 204                  | 34                   | 58                                                          | 58                                                         | 48                                                          | 44                                                        | 63                                                     | 43                                                     | 70                                                      | 129                                                     | 94                                                      | 113                                                     |
| 419                   | 209                  | 55                   | 58                                                          | 59                                                         | 48                                                          | 44                                                        | 68                                                     | 43                                                     | 71                                                      | 129                                                     | 94                                                      | 113                                                     |
| 420                   | 209                  | 16                   | 52                                                          | 59                                                         | 48                                                          | 44                                                        | 68                                                     | 43                                                     | 71                                                      | 130                                                     | 93                                                      | 113                                                     |
| 421                   | 210                  | 38                   | 62                                                          | 60                                                         | 48                                                          | 45                                                        | 68                                                     | 44                                                     | 71                                                      | 131                                                     | 93                                                      | 114                                                     |
| 422                   | 210                  | 59                   | 62                                                          | 61                                                         | 49                                                          | 45                                                        | 69                                                     | 44                                                     | 71                                                      | 132                                                     | 99                                                      | 114                                                     |
| 423                   | 210                  | 20                   | 63                                                          | 61                                                         | 48                                                          | 45                                                        | 69                                                     | *                                                      | *                                                       | *                                                       | *                                                       | *                                                       |
| 424                   | 211                  | *                    | *                                                           | *                                                          | *                                                           | *                                                         | *                                                      | *                                                      | 87                                                      | 126                                                     | 80                                                      | 98                                                      |
| 425                   | 212                  | 57                   | 54                                                          | 63                                                         | 50                                                          | 45                                                        | 67                                                     | 49                                                     | 64                                                      | 114                                                     | 72                                                      | 88                                                      |
| 426                   | 212                  | 18                   | 53                                                          | 62                                                         | 51                                                          | 44                                                        | 67                                                     | 49                                                     | 64                                                      | 114                                                     | 72                                                      | 88                                                      |
| 427                   | 213                  | 40                   | 53                                                          | 63                                                         | 51                                                          | 45                                                        | 65                                                     | 50                                                     | 65                                                      | 104                                                     | 66                                                      | 82                                                      |
| 428                   | 213                  | 22                   | 52                                                          | 63                                                         | 50                                                          | 45                                                        | 65                                                     | 50                                                     | 65                                                      | 92                                                      | 63                                                      | 76                                                      |
| 429                   | 214                  | 1                    | 52                                                          | 62                                                         | 51                                                          | 44                                                        | 65                                                     | 51                                                     | 65                                                      | 95                                                      | 60                                                      | 72                                                      |
| 430                   | 214                  | 23                   | 51                                                          | 61                                                         | 52                                                          | 44                                                        | 65                                                     | 52                                                     | 65                                                      | 79                                                      | 60                                                      | 70                                                      |
| 431                   | 214                  | 44                   | 51                                                          | 63                                                         | 51                                                          | 45                                                        | 64                                                     | 53                                                     | 54                                                      | 76                                                      | 60                                                      | 69                                                      |
| 432                   | 215                  | 5                    | 51                                                          | 62                                                         | 51                                                          | 45                                                        | 63                                                     | 53                                                     | 50                                                      | 74                                                      | 61                                                      | 68                                                      |
| 433                   | 215                  | 27                   | 51                                                          | 61                                                         | 51                                                          | 44                                                        | 62                                                     | 53                                                     | 53                                                      | 72                                                      | 59                                                      | 67                                                      |
| 434                   | 215                  | 43                   | 51                                                          | 60                                                         | 51                                                          | 44                                                        | 61                                                     | 53                                                     | 54                                                      | 71                                                      | 60                                                      | 67                                                      |
| 435                   | 215                  | 10                   | 53                                                          | 60                                                         | 51                                                          | *                                                         | 61                                                     | *                                                      | *                                                       | *                                                       | *                                                       | 66                                                      |
| 436                   | 216                  | 29                   | 53                                                          | 61                                                         | 51                                                          | 44                                                        | 61                                                     | 54                                                     | 53                                                      | 70                                                      | 60                                                      | 66                                                      |
| 437                   | 216                  | 53                   | 53                                                          | 60                                                         | 50                                                          | 44                                                        | 60                                                     | 54                                                     | 53                                                      | 70                                                      | 60                                                      | 67                                                      |
| 438                   | 217                  | 14                   | 53                                                          | 60                                                         | 50                                                          | 44                                                        | 59                                                     | 53                                                     | 53                                                      | 69                                                      | 52                                                      | 66                                                      |
| 439                   | 217                  | 36                   | 52                                                          | 60                                                         | 51                                                          | 44                                                        | 60                                                     | 54                                                     | 53                                                      | 69                                                      | 59                                                      | 65                                                      |
| 440                   | 217                  | 57                   | 52                                                          | 60                                                         | 51                                                          | 44                                                        | 59                                                     | 54                                                     | 53                                                      | 69                                                      | 59                                                      | 65                                                      |
| 441                   | 218                  | 18                   | 52                                                          | 60                                                         | 51                                                          | 43                                                        | 59                                                     | 54                                                     | 53                                                      | 68                                                      | 59                                                      | 66                                                      |
| 442                   | 219                  | 40                   | 52                                                          | 60                                                         | 50                                                          | 44                                                        | 58                                                     | 54                                                     | 53                                                      | 69                                                      | 58                                                      | 65                                                      |
| 443                   | 219                  | 1                    | 53                                                          | 59                                                         | 50                                                          | 44                                                        | 58                                                     | 53                                                     | 52                                                      | 69                                                      | 59                                                      | 66                                                      |
| 444                   | 219                  | 23                   | 53                                                          | 60                                                         | 51                                                          | 44                                                        | 58                                                     | 55                                                     | 53                                                      | 69                                                      | 59                                                      | 66                                                      |
| 445                   | 219                  | *                    | 53                                                          | 60                                                         | 51                                                          | 44                                                        | 58                                                     | 55                                                     | 52                                                      | 69                                                      | 58                                                      | 65                                                      |
| 446                   | 220                  | 6                    | 53                                                          | 60                                                         | 50                                                          | 44                                                        | 58                                                     | 55                                                     | 52                                                      | 69                                                      | 59                                                      | 65                                                      |
| 447                   | 220                  | 27                   | 53                                                          | 60                                                         | 51                                                          | 43                                                        | 58                                                     | 55                                                     | 52                                                      | 68                                                      | 58                                                      | 65                                                      |
| 448                   | 220                  | 49                   | 57                                                          | 58                                                         | 50                                                          | 44                                                        | 58                                                     | 55                                                     | 53                                                      | 68                                                      | 59                                                      | 66                                                      |
| 449                   | 221                  | 11                   | 57                                                          | 58                                                         | 52                                                          | 44                                                        | 58                                                     | 55                                                     | 52                                                      | 69                                                      | 60                                                      | 65                                                      |
| 450                   | 221                  | 32                   | 56                                                          | 58                                                         | 51                                                          | 44                                                        | 58                                                     | 56                                                     | 53                                                      | 69                                                      | 59                                                      | 65                                                      |
| 451                   | 221                  | 54                   | 55                                                          | 59                                                         | 51                                                          | 44                                                        | 57                                                     | 55                                                     | 53                                                      | 68                                                      | 58                                                      | 65                                                      |
| 452                   | 221                  | 49                   | 55                                                          | 59                                                         | 51                                                          | 44                                                        | 57                                                     | 55                                                     | 53                                                      | 69                                                      | 59                                                      | 65                                                      |
| 453                   | 222                  | 36                   | 56                                                          | 58                                                         | 50                                                          | 44                                                        | 58                                                     | 55                                                     | 53                                                      | 69                                                      | 63                                                      | 68                                                      |

| -01<br>SAMP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05           |                | 7-06           |                | 7-07           |                | 7-08           |                | 7-09           |                | 7-10           |                | 7-11           |                | 7-13           |                | 7-14           |                | 7-15           |                |
|----------------------|----------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                      |                      |                      | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT | ENG.1<br>IGNIT |
| 454                  | 222                  | 58                   | 57             | 58             | 49             | 43             | 58             | 49             | 43             | 58             | 58             | 54             | 54             | 54             | 54             | 54             | 73             | 73             | 74             | 74             | 74             |                |
| 455                  | 223                  | 19                   | 57             | 58             | 49             | 43             | 58             | 49             | 43             | 58             | 58             | 54             | 54             | 54             | 54             | 54             | 81             | 81             | 81             | 81             | 81             |                |
| 456                  | 223                  | 41                   | 57             | 56             | 49             | 44             | 58             | 49             | 44             | 58             | 58             | 54             | 54             | 54             | 54             | 54             | 80             | 80             | 81             | 81             | 81             |                |
| 457                  | 224                  | 2                    | 57             | 58             | 49             | 44             | 58             | 49             | 44             | 58             | 58             | 54             | 54             | 54             | 54             | 54             | 91             | 91             | 82             | 82             | 82             |                |
| 458                  | 224                  | 24                   | 57             | 58             | 49             | 44             | 58             | 49             | 44             | 58             | 58             | 54             | 54             | 54             | 54             | 54             | 93             | 93             | 82             | 82             | 83             |                |
| 459                  | 224                  | 46                   | 57             | 58             | 49             | 44             | 58             | 49             | 44             | 58             | 58             | 54             | 54             | 54             | 54             | 54             | *              | *              | *              | *              | *              |                |
| 460                  | 225                  | 7                    | 57             | 58             | 49             | 44             | 58             | 49             | 44             | 58             | 60             | 54             | 54             | 54             | 54             | 54             | 95             | 95             | 82             | 82             | 84             |                |
| 461                  | 225                  | 29                   | 57             | 58             | 49             | 44             | 58             | 49             | 44             | 58             | 61             | 54             | 54             | 54             | 54             | 54             | 98             | 98             | 84             | 84             | 84             |                |
| 462                  | 225                  | 50                   | 58             | 58             | 48             | 44             | 58             | 48             | 44             | 58             | 62             | 54             | 54             | 54             | 54             | 54             | 103            | 103            | 86             | 86             | 96             |                |
| 463                  | 226                  | 12                   | 58             | 57             | 48             | 44             | 58             | 48             | 44             | 58             | 63             | 54             | 54             | 54             | 54             | 54             | 109            | 109            | 87             | 87             | 99             |                |
| 464                  | 226                  | 34                   | 58             | 58             | 48             | 44             | 58             | 48             | 44             | 58             | 63             | 54             | 54             | 54             | 54             | 54             | 113            | 113            | 89             | 89             | 102            |                |
| 465                  | 226                  | 55                   | 58             | 58             | 49             | 44             | 58             | 49             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | *              | *              | *              | *              | *              |                |
| 466                  | 227                  | 17                   | 58             | 58             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 113            | 113            | 88             | 88             | 102            |                |
| 467                  | 227                  | 39                   | 58             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 116            | 116            | 86             | 86             | 101            |                |
| 468                  | 228                  | 1                    | 59             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 116            | 116            | 86             | 86             | 101            |                |
| 469                  | 228                  | 23                   | 60             | 60             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 115            | 115            | 86             | 86             | 180            |                |
| 470                  | 228                  | 44                   | 61             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 114            | 114            | 86             | 86             | 99             |                |
| 471                  | 229                  | 6                    | 59             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 113            | 113            | 88             | 88             | 101            |                |
| 472                  | 229                  | 28                   | 59             | 60             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 113            | 113            | 88             | 88             | 101            |                |
| 473                  | 229                  | 50                   | 61             | 60             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 115            | 115            | 88             | 88             | 103            |                |
| 474                  | 230                  | 11                   | 61             | 60             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 116            | 116            | 88             | 88             | 102            |                |
| 475                  | 230                  | 33                   | 61             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 116            | 116            | 92             | 92             | 104            |                |
| 476                  | 231                  | *                    | 61             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 64             | 54             | 54             | 54             | 54             | 54             | 123            | 123            | 103            | 103            | 116            |                |
| 477                  | 231                  | 16                   | 62             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 67             | 54             | 54             | 54             | 54             | 54             | 132            | 132            | 104            | 104            | 118            |                |
| 478                  | 231                  | 37                   | 63             | 59             | 48             | 44             | 58             | 48             | 44             | 58             | 67             | 54             | 54             | 54             | 54             | 54             | 136            | 136            | 102            | 102            | 119            |                |
| 479                  | 231                  | 58                   | 63             | 61             | 48             | 44             | 58             | 48             | 44             | 58             | 68             | 54             | 54             | 54             | 54             | 54             | 136            | 136            | 102            | 102            | 119            |                |
| 480                  | 232                  | 20                   | 64             | 60             | 49             | 46             | 58             | 49             | 46             | 58             | 69             | 54             | 54             | 54             | 54             | 54             | 137            | 137            | 103            | 103            | 119            |                |
| 481                  | 232                  | 41                   | 64             | 61             | 49             | 46             | 58             | 49             | 46             | 58             | 70             | 54             | 54             | 54             | 54             | 54             | 138            | 138            | 103            | 103            | 120            |                |
| 482                  | 232                  | *                    | 64             | 61             | 49             | 46             | 58             | 49             | 46             | 58             | 70             | 54             | 54             | 54             | 54             | 54             | 140            | 140            | 107            | 107            | 122            |                |
| 483                  | 233                  | 24                   | 64             | 61             | 49             | 46             | 58             | 49             | 46             | 58             | 72             | 54             | 54             | 54             | 54             | 54             | 144            | 144            | 110            | 110            | 125            |                |
| 484                  | 233                  | 40                   | 64             | 61             | 49             | 46             | 58             | 49             | 46             | 58             | 72             | 54             | 54             | 54             | 54             | 54             | 146            | 146            | 108            | 108            | 126            |                |
| 485                  | 234                  | 7                    | 64             | 61             | 49             | 46             | 58             | 49             | 46             | 58             | 73             | 54             | 54             | 54             | 54             | 54             | 146            | 146            | 109            | 109            | 126            |                |
| 486                  | 234                  | 29                   | 64             | 61             | 49             | 46             | 58             | 49             | 46             | 58             | 73             | 54             | 54             | 54             | 54             | 54             | 146            | 146            | 110            | 110            | 126            |                |
| 487                  | 234                  | 48                   | 64             | 61             | 49             | 46             | 58             | 49             | 46             | 58             | 74             | 54             | 54             | 54             | 54             | 54             | 147            | 147            | 108            | 108            | 126            |                |
| 488                  | 235                  | 13                   | 65             | 60             | 50             | 46             | 58             | 50             | 46             | 58             | 74             | 54             | 54             | 54             | 54             | 54             | 147            | 147            | 109            | 109            | 126            |                |
| 489                  | 235                  | 34                   | 66             | 60             | 50             | 46             | 58             | 50             | 46             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 147            | 147            | 109            | 109            | 126            |                |
| 490                  | 235                  | 56                   | 66             | 60             | 50             | 46             | 58             | 50             | 46             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 146            | 146            | 108            | 108            | 126            |                |
| 491                  | 236                  | 17                   | 66             | 62             | 50             | 46             | 58             | 50             | 46             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 145            | 145            | 105            | 105            | 124            |                |
| 492                  | 236                  | 39                   | 66             | 61             | 50             | 46             | 58             | 50             | 46             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 144            | 144            | 103            | 103            | *              |                |
| 493                  | 237                  | 0                    | 66             | 62             | 50             | 46             | 58             | 50             | 46             | 58             | 74             | 54             | 54             | 54             | 54             | 54             | 141            | 141            | 103            | 103            | 121            |                |
| 494                  | 237                  | 22                   | 66             | 61             | 50             | 46             | 58             | 50             | 46             | 58             | 74             | 54             | 54             | 54             | 54             | 54             | 140            | 140            | 103            | 103            | 121            |                |
| 495                  | 237                  | 44                   | 66             | 61             | 51             | 47             | 58             | 51             | 47             | 58             | 74             | 54             | 54             | 54             | 54             | 54             | 139            | 139            | 104            | 104            | 121            |                |
| 496                  | 238                  | 19                   | 66             | 61             | 51             | 47             | 58             | 51             | 47             | 58             | 74             | 54             | 54             | 54             | 54             | 54             | 139            | 139            | 104            | 104            | 121            |                |
| 497                  | 238                  | 37                   | 66             | 61             | 50             | 47             | 58             | 50             | 47             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 140            | 140            | 104            | 104            | 121            |                |
| 498                  | 239                  | 57                   | 66             | 61             | 50             | 47             | 58             | 50             | 47             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 141            | 141            | 104            | 104            | 121            |                |
| 499                  | 239                  | 12                   | 66             | 61             | 50             | 47             | 58             | 50             | 47             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 141            | 141            | 104            | 104            | 121            |                |
| 500                  | 239                  | 34                   | 66             | 61             | 50             | 47             | 58             | 50             | 47             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 141            | 141            | 104            | 104            | 121            |                |
| 501                  | 240                  | 54                   | 66             | 61             | 50             | 47             | 58             | 50             | 47             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 141            | 141            | 104            | 104            | 121            |                |
| 502                  | 240                  | 77                   | 66             | 61             | 50             | 47             | 58             | 50             | 47             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 141            | 141            | 104            | 104            | 121            |                |
| 503                  | 240                  | 99                   | 66             | 61             | 50             | 47             | 58             | 50             | 47             | 58             | 75             | 54             | 54             | 54             | 54             | 54             | 141            | 141            | 104            | 104            | 121            |                |

| -01   | 7-02 | 7-03 | 7-05  | 7-06  | 7-07  | 7-08  | 7-09  | 7-10  | 7-11  | 7-13  | 7-14  | 7-15  |
|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| SWEEP | TIME | TIME | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 | ENG.1 |
| COUNT | MIN. | SEC. | IGNIT | IGNIT | IGNIT | FUEL  | LUBE  | PUMP  | COMPR | COMPR | COMPR | COMPR |
| 504   | 240  | 59   | 57    | 62    | 52    | 46    | 74    | 45    | *     | *     | *     | *     |
| 505   | 241  | 21   | 67    | 62    | 52    | 46    | 74    | 46    | 73    | 136   | 101   | 115   |
| 506   | 241  | 42   | 66    | 61    | 51    | 46    | 74    | 46    | 74    | 136   | 100   | 115   |
| 507   | 242  | 4    | 67    | 62    | 51    | 46    | 73    | 46    | 74    | 133   | 99    | 114   |
| 508   | 242  | 26   | 66    | 62    | 51    | 46    | 73    | 46    | 74    | 133   | *     | *     |
| 509   | 242  | 47   | 67    | 63    | 51    | 46    | 73    | 47    | 74    | 131   | 98    | 113   |
| 510   | 243  | 9    | 66    | 64    | 51    | 47    | 73    | 46    | 74    | 131   | 100   | 115   |
| 511   | 243  | 30   | 67    | 64    | 51    | 48    | 72    | 46    | 74    | 133   | 101   | 116   |
| 512   | 243  | 52   | 66    | 64    | 52    | 48    | 72    | 46    | 73    | *     | *     | *     |
| 513   | 244  | 13   | 66    | 65    | 52    | 48    | 71    | 46    | 72    | 130   | 103   | 118   |
| 514   | 244  | 35   | 67    | 65    | 53    | 47    | 70    | 46    | 73    | 137   | 102   | 118   |
| 515   | 244  | 56   | 67    | 65    | 53    | 47    | 71    | 47    | 72    | 136   | 98    | 116   |
| 516   | 245  | 18   | 66    | 65    | 53    | 48    | 71    | 46    | 72    | 134   | *     | *     |
| 517   | 245  | 39   | 67    | 65    | 53    | 48    | 71    | 47    | 71    | 134   | 99    | 116   |
| 518   | 246  | 1    | 66    | 65    | 53    | 47    | 69    | 46    | 72    | 132   | 100   | 117   |
| 519   | 246  | 22   | 66    | 65    | 53    | 48    | 70    | 46    | 72    | 135   | 103   | 118   |
| 520   | 246  | 44   | 66    | 65    | 54    | 48    | *     | *     | *     | *     | *     | *     |
| 521   | 247  | 6    | 66    | 65    | 54    | 48    | 71    | 46    | 71    | 139   | 103   | 118   |
| 522   | 247  | 27   | 65    | 66    | 54    | 48    | 70    | 46    | 71    | 140   | 104   | 118   |
| 523   | 247  | 49   | 66    | 66    | 54    | 48    | 71    | 46    | 72    | 141   | 103   | 119   |
| 524   | 248  | 49   | 66    | 66    | 54    | 48    | 71    | 46    | 71    | 140   | 104   | 118   |
| 525   | 248  | 32   | 67    | 67    | 54    | 48    | 71    | 47    | 73    | 139   | 101   | 118   |
| 526   | 248  | 53   | 68    | 68    | 54    | 48    | 71    | 47    | 72    | 137   | 99    | 115   |
| 527   | 249  | 15   | 68    | 68    | 54    | 47    | 71    | 48    | 72    | 135   | 101   | 118   |
| 528   | 249  | 36   | 70    | 68    | 57    | 47    | 71    | 48    | 72    | 133   | 95    | 106   |
| 529   | 249  | 58   | 69    | 67    | 58    | 46    | 72    | 48    | 72    | 129   | 95    | 107   |
| 530   | 250  | 19   | 69    | 67    | 58    | 47    | 73    | 50    | 74    | 128   | 98    | 111   |
| 531   | 250  | 41   | 69    | 68    | 58    | 47    | 73    | *     | *     | *     | *     | 103   |
| 532   | 251  | 2    | 69    | 68    | 58    | 46    | 74    | 50    | 70    | 119   | 95    | 101   |
| 533   | 251  | 24   | 69    | 68    | 58    | 49    | 75    | 50    | 70    | 113   | 95    | 101   |
| 534   | 251  | 46   | 69    | 68    | 58    | 51    | 75    | 50    | 70    | 113   | 99    | 101   |
| 535   | 252  | 7    | 69    | 68    | 58    | 50    | 75    | 52    | 71    | 113   | 104   | 101   |
| 536   | 252  | 29   | 69    | 68    | 59    | 62    | 77    | 51    | 71    | 116   | 111   | 104   |
| 537   | 252  | 51   | 69    | 69    | 58    | 64    | 77    | 53    | 73    | 118   | 115   | 106   |
| 538   | 252  | 51   | 69    | 69    | 58    | 61    | 77    | 52    | 74    | 120   | 116   | 106   |
| 539   | 253  | 34   | 69    | 69    | 59    | 59    | 78    | 53    | 74    | 120   | 107   | 102   |
| 540   | 253  | 34   | 69    | 69    | 59    | 59    | 78    | 53    | 74    | 120   | 107   | 102   |
| 541   | 254  | 39   | 71    | 71    | 60    | 58    | 78    | 55    | 72    | 106   | 79    | 98    |
| 542   | 254  | 39   | 71    | 71    | 60    | 58    | 78    | 55    | 71    | 98    | 77    | 89    |
| 543   | 255  | 1    | 70    | 71    | 62    | 61    | 80    | 58    | 70    | 94    | 71    | 81    |
| 544   | 255  | 1    | 70    | 71    | 62    | 61    | 80    | 58    | 69    | 94    | 67    | 77    |

HH-53C S/N 69-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG-1<br>COMPR<br>CSE<br>STG-4<br>6.00<br>DEG-C | 7-18<br>ENG-1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG-C | 7-21<br>ENG-1<br>COMPR<br>CSE<br>STG-5<br>6.00<br>DEG-C | 7-23<br>ENG-1<br>GAS<br>GN TRB<br>CSE<br>8.00<br>DEG-C | 7-24<br>ENG-1<br>GAS<br>GN TRB<br>CSE<br>12.00<br>DEG-C | 7-25<br>ENG-1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG-C | 7-26<br>ENG-1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG-C | 7-27<br>ENG-1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG-C | 7-28<br>ENG-1<br>HRNESS<br>TEMP<br>DEG-C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|
| 306                   | 141                  | 16                   | 47                                                      | 90                                                      | 46                                                      | 85                                                     | 98                                                      | 65                                                      | 63                                                      | 97                                                       | 54                                       |
| 309                   | 141                  | 37                   | 47                                                      | 71                                                      | 49                                                      | 85                                                     | 98                                                      | 66                                                      | 69                                                      | 97                                                       | 55                                       |
| 310                   | 141                  | 58                   | 47                                                      | 54                                                      | 49                                                      | 85                                                     | 98                                                      | 66                                                      | 68                                                      | 96                                                       | 55                                       |
| 311                   | 142                  | 28                   | 46                                                      | 45                                                      | 48                                                      | 84                                                     | 98                                                      | 66                                                      | 68                                                      | 96                                                       | 54                                       |
| 312                   | 142                  | 41                   | 46                                                      | 39                                                      | 48                                                      | 83                                                     | 97                                                      | 66                                                      | 68                                                      | 96                                                       | 54                                       |
| 313                   | 143                  | 3                    | 47                                                      | 36                                                      | 48                                                      | 83                                                     | 96                                                      | 66                                                      | 70                                                      | 97                                                       | 54                                       |
| 314                   | 143                  | 24                   | 47                                                      | 35                                                      | 48                                                      | 106                                                    | 113                                                     | 92                                                      | 84                                                      | 112                                                      | 54                                       |
| 315                   | 143                  | 46                   | 47                                                      | 35                                                      | 54                                                      | 185                                                    | 180                                                     | 139                                                     | 116                                                     | 146                                                      | 57                                       |
| 316                   | *                    | *                    | 63                                                      | 35                                                      | 64                                                      | 257                                                    | 252                                                     | 198                                                     | 157                                                     | 182                                                      | 60                                       |
| 317                   | 144                  | 28                   | 76                                                      | 36                                                      | 80                                                      | 286                                                    | 286                                                     | 255                                                     | 196                                                     | 213                                                      | 65                                       |
| 318                   | 144                  | 49                   | *                                                       | *                                                       | *                                                       | *                                                      | *                                                       | 295                                                     | 237                                                     | 218                                                      | 70                                       |
| 319                   | 145                  | 11                   | 85                                                      | 36                                                      | 101                                                     | 307                                                    | 305                                                     | 325                                                     | 271                                                     | *                                                        | *                                        |
| 320                   | 145                  | 32                   | 87                                                      | 35                                                      | 108                                                     | 311                                                    | 310                                                     | 343                                                     | 298                                                     | 273                                                      | 82                                       |
| 321                   | 145                  | 53                   | 85                                                      | 36                                                      | 111                                                     | 314                                                    | 311                                                     | 355                                                     | 318                                                     | 289                                                      | 87                                       |
| 322                   | 146                  | 15                   | 93                                                      | 35                                                      | 114                                                     | 320                                                    | 318                                                     | 366                                                     | 335                                                     | 297                                                      | 92                                       |
| 323                   | 146                  | 36                   | 91                                                      | 35                                                      | 116                                                     | 326                                                    | 323                                                     | 378                                                     | 349                                                     | 306                                                      | 99                                       |
| 324                   | 147                  | 18                   | 93                                                      | 36                                                      | 121                                                     | 324                                                    | 321                                                     | 389                                                     | 368                                                     | 321                                                      | 109                                      |
| 325                   | 147                  | 40                   | 92                                                      | 36                                                      | 121                                                     | 323                                                    | 320                                                     | 390                                                     | 372                                                     | 325                                                      | 113                                      |
| 326                   | 148                  | 1                    | 92                                                      | 36                                                      | 121                                                     | 371                                                    | 370                                                     | 418                                                     | 381                                                     | 340                                                      | 117                                      |
| 327                   | 148                  | 22                   | 101                                                     | 35                                                      | 123                                                     | 401                                                    | 402                                                     | 451                                                     | 402                                                     | 371                                                      | 122                                      |
| 328                   | 148                  | *                    | 104                                                     | 35                                                      | 124                                                     | 414                                                    | 415                                                     | 489                                                     | 424                                                     | 393                                                      | 126                                      |
| 329                   | 149                  | *                    | 101                                                     | 35                                                      | 129                                                     | 416                                                    | 417                                                     | 515                                                     | 445                                                     | 419                                                      | 131                                      |
| 330                   | 149                  | 26                   | 101                                                     | 35                                                      | 129                                                     | 416                                                    | 414                                                     | 530                                                     | 459                                                     | 433                                                      | 134                                      |
| 331                   | 149                  | 48                   | 97                                                      | 34                                                      | 127                                                     | *                                                      | *                                                       | *                                                       | *                                                       | *                                                        | *                                        |
| 332                   | 149                  | 9                    | 97                                                      | 34                                                      | 127                                                     | 417                                                    | 412                                                     | 546                                                     | 476                                                     | 476                                                      | 142                                      |
| 333                   | 150                  | 30                   | 97                                                      | 34                                                      | 129                                                     | 420                                                    | 415                                                     | 553                                                     | 483                                                     | 476                                                      | 146                                      |
| 334                   | 150                  | 52                   | 95                                                      | 32                                                      | 127                                                     | 422                                                    | 417                                                     | 561                                                     | 486                                                     | 480                                                      | 146                                      |
| 335                   | 150                  | 13                   | 95                                                      | 32                                                      | 126                                                     | 422                                                    | 417                                                     | 567                                                     | 489                                                     | 485                                                      | 152                                      |
| 336                   | 151                  | 34                   | 94                                                      | 32                                                      | 128                                                     | 421                                                    | 417                                                     | 572                                                     | 493                                                     | 489                                                      | 155                                      |
| 337                   | 151                  | 56                   | 94                                                      | 30                                                      | 122                                                     | 421                                                    | 415                                                     | 575                                                     | 494                                                     | 471                                                      | 158                                      |
| 338                   | 151                  | 17                   | 94                                                      | 29                                                      | 122                                                     | 420                                                    | 416                                                     | 579                                                     | 496                                                     | 473                                                      | 161                                      |
| 339                   | 152                  | 38                   | 93                                                      | 27                                                      | 122                                                     | 420                                                    | 415                                                     | 581                                                     | 496                                                     | 475                                                      | 164                                      |
| 340                   | 152                  | 0                    | 93                                                      | 27                                                      | 122                                                     | 419                                                    | 414                                                     | 581                                                     | 495                                                     | 475                                                      | 160                                      |
| 341                   | 153                  | 21                   | 92                                                      | 26                                                      | 121                                                     | 420                                                    | 415                                                     | 583                                                     | 495                                                     | 476                                                      | 170                                      |
| 342                   | 153                  | 42                   | 92                                                      | 25                                                      | 119                                                     | 418                                                    | 412                                                     | 582                                                     | 494                                                     | 477                                                      | 173                                      |
| 343                   | 153                  | 4                    | 91                                                      | 25                                                      | 119                                                     | 416                                                    | 411                                                     | 583                                                     | 494                                                     | 476                                                      | 175                                      |
| 344                   | 154                  | 25                   | 90                                                      | 25                                                      | 113                                                     | 417                                                    | 410                                                     | 582                                                     | 491                                                     | 475                                                      | 176                                      |
| 345                   | 154                  | 46                   | 89                                                      | 23                                                      | 117                                                     | 415                                                    | 408                                                     | 581                                                     | 492                                                     | 473                                                      | 178                                      |
| 346                   | 154                  | 5                    | 89                                                      | 22                                                      | 117                                                     | 413                                                    | 408                                                     | 581                                                     | 492                                                     | 472                                                      | 179                                      |
| 347                   | 154                  | 50                   | 87                                                      | 23                                                      | 119                                                     | 414                                                    | 408                                                     | 581                                                     | 491                                                     | 472                                                      | 180                                      |
| 348                   | 155                  | 12                   | 87                                                      | 23                                                      | 121                                                     | 414                                                    | 408                                                     | 580                                                     | 490                                                     | 472                                                      | 180                                      |
| 349                   | 155                  | 33                   | 87                                                      | 20                                                      | 121                                                     | 415                                                    | 408                                                     | 579                                                     | 489                                                     | 472                                                      | 181                                      |
| 350                   | 155                  | 54                   | 87                                                      | 20                                                      | 121                                                     | 415                                                    | 408                                                     | 579                                                     | 489                                                     | 472                                                      | 181                                      |
| 351                   | 155                  | 16                   | 87                                                      | 21                                                      | 121                                                     | 367                                                    | *                                                       | *                                                       | *                                                       | *                                                        | 182                                      |

| -01<br>SREEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG-1<br>COMPR<br>CSE<br>STG-4<br>6.00<br>DEG.C | 7-18<br>ENG-1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG-1<br>COMPR<br>CSE<br>STG-5<br>6.00<br>DEG.C | 7-23<br>ENG-1<br>GAS<br>TRB<br>GN<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG-1<br>GAS<br>TRB<br>GN<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG-1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-26<br>ENG-1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG-1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG-1<br>HRNESS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|
| 354                   | 157                  | 37                   | 83                                                      | 21                                                      | 120                                                     | 414                                                       | 407                                                        | 579                                                     | 491                                                     | 468                                                      | 185                                      |
| 355                   | 157                  | 58                   | 93                                                      | 22                                                      | 120                                                     | 414                                                       | 407                                                        | 577                                                     | 490                                                     | 468                                                      | 185                                      |
| 356                   | 158                  | 20                   | 83                                                      | 22                                                      | 120                                                     | 414                                                       | 408                                                        | 577                                                     | 490                                                     | 469                                                      | 186                                      |
| 357                   | 161                  | 29                   | 83                                                      | 19                                                      | 117                                                     | 407                                                       | 399                                                        | 572                                                     | 485                                                     | 464                                                      | 185                                      |
| 358                   | 165                  | 11                   | 80                                                      | 18                                                      | 116                                                     | 405                                                       | 400                                                        | 575                                                     | 482                                                     | 462                                                      | 182                                      |
| 359                   | 166                  | 51                   | 79                                                      | 18                                                      | 116                                                     | 404                                                       | 394                                                        | 572                                                     | 480                                                     | 461                                                      | 183                                      |
| 360                   | 166                  | 26                   | 78                                                      | 18                                                      | 117                                                     | 398                                                       | 392                                                        | 561                                                     | 473                                                     | 452                                                      | 181                                      |
| 361                   | 171                  | 53                   | 78                                                      | 20                                                      | 118                                                     | 399                                                       | 393                                                        | 561                                                     | 476                                                     | 453                                                      | 180                                      |
| 362                   | 171                  | 14                   | 78                                                      | 21                                                      | 118                                                     | 394                                                       | 388                                                        | 555                                                     | 473                                                     | 449                                                      | 179                                      |
| 363                   | 172                  | 35                   | 78                                                      | 21                                                      | 117                                                     | 393                                                       | 387                                                        | 550                                                     | 468                                                     | 447                                                      | 178                                      |
| 364                   | 172                  | 56                   | 78                                                      | 21                                                      | 117                                                     | 393                                                       | 387                                                        | 548                                                     | 467                                                     | 442                                                      | 178                                      |
| 365                   | 173                  | 17                   | 78                                                      | 21                                                      | 116                                                     | 393                                                       | 386                                                        | 544                                                     | 465                                                     | 437                                                      | 177                                      |
| 366                   | 173                  | 38                   | 77                                                      | 23                                                      | 117                                                     | 384                                                       | 381                                                        | 540                                                     | 462                                                     | 433                                                      | 178                                      |
| 367                   | 174                  | 0                    | 77                                                      | 24                                                      | 117                                                     | 385                                                       | 373                                                        | 529                                                     | 458                                                     | 423                                                      | 177                                      |
| 368                   | 174                  | 21                   | 77                                                      | 24                                                      | 116                                                     | 382                                                       | 371                                                        | 524                                                     | 453                                                     | 418                                                      | 175                                      |
| 369                   | 174                  | 42                   | 77                                                      | 22                                                      | 116                                                     | 379                                                       | 368                                                        | 516                                                     | 449                                                     | 412                                                      | 176                                      |
| 370                   | 175                  | 3                    | 77                                                      | 24                                                      | 116                                                     | 365                                                       | 359                                                        | 503                                                     | 442                                                     | 404                                                      | 172                                      |
| 371                   | 175                  | 24                   | 76                                                      | 24                                                      | 115                                                     | 356                                                       | 349                                                        | 489                                                     | 433                                                     | 396                                                      | 171                                      |
| 372                   | 175                  | 45                   | 75                                                      | 25                                                      | 114                                                     | 354                                                       | 347                                                        | 477                                                     | 423                                                     | 389                                                      | 168                                      |
| 373                   | 176                  | 6                    | 77                                                      | 27                                                      | 113                                                     | 351                                                       | 348                                                        | 472                                                     | 417                                                     | 387                                                      | 164                                      |
| 374                   | 176                  | 27                   | 77                                                      | 28                                                      | 112                                                     | 352                                                       | 350                                                        | 468                                                     | 413                                                     | 384                                                      | 163                                      |
| 375                   | 176                  | 48                   | 77                                                      | 29                                                      | 112                                                     | 355                                                       | 351                                                        | 463                                                     | 410                                                     | 381                                                      | 161                                      |
| 376                   | 177                  | 9                    | 79                                                      | 27                                                      | 113                                                     | 354                                                       | 350                                                        | 461                                                     | 408                                                     | 379                                                      | 160                                      |
| 377                   | *                    | *                    | 79                                                      | 29                                                      | 113                                                     | 350                                                       | 345                                                        | 456                                                     | 408                                                     | 375                                                      | 157                                      |
| 378                   | *                    | *                    | 79                                                      | 29                                                      | 113                                                     | 350                                                       | 342                                                        | 451                                                     | 404                                                     | 370                                                      | 156                                      |
| 379                   | *                    | *                    | 79                                                      | 30                                                      | 114                                                     | 352                                                       | 343                                                        | 446                                                     | 404                                                     | 367                                                      | 156                                      |
| 380                   | 166                  | 39                   | 78                                                      | 30                                                      | 114                                                     | 350                                                       | 337                                                        | 443                                                     | 407                                                     | 373                                                      | 156                                      |
| 381                   | 178                  | 51                   | 79                                                      | 29                                                      | 114                                                     | 359                                                       | 365                                                        | 455                                                     | 412                                                     | 378                                                      | 156                                      |
| 382                   | 179                  | 14                   | 79                                                      | 30                                                      | 113                                                     | 376                                                       | 371                                                        | 464                                                     | 420                                                     | 390                                                      | 156                                      |
| 383                   | 179                  | 57                   | 90                                                      | 28                                                      | 116                                                     | 371                                                       | 363                                                        | 473                                                     | 423                                                     | 395                                                      | 155                                      |
| 384                   | *                    | *                    | 90                                                      | 27                                                      | 116                                                     | 365                                                       | 361                                                        | 473                                                     | 424                                                     | 397                                                      | 156                                      |
| 385                   | *                    | *                    | 90                                                      | 28                                                      | 117                                                     | 367                                                       | 364                                                        | 475                                                     | 424                                                     | 398                                                      | 157                                      |
| 386                   | *                    | *                    | 81                                                      | 29                                                      | 117                                                     | 366                                                       | 365                                                        | 476                                                     | 424                                                     | 401                                                      | 158                                      |
| 387                   | 181                  | 3                    | 80                                                      | 29                                                      | 117                                                     | 359                                                       | 366                                                        | 466                                                     | 427                                                     | 394                                                      | 159                                      |
| 388                   | 181                  | 24                   | 80                                                      | 30                                                      | 120                                                     | 341                                                       | 340                                                        | 448                                                     | 417                                                     | 388                                                      | 158                                      |
| 389                   | 181                  | 46                   | 80                                                      | 31                                                      | 119                                                     | 331                                                       | 330                                                        | 432                                                     | 406                                                     | 379                                                      | 157                                      |
| 390                   | 182                  | 7                    | 81                                                      | 30                                                      | 115                                                     | 331                                                       | 330                                                        | 425                                                     | 403                                                     | 371                                                      | 156                                      |
| 391                   | 182                  | 28                   | 82                                                      | 31                                                      | 117                                                     | 329                                                       | 327                                                        | 419                                                     | 392                                                     | 366                                                      | 153                                      |
| 392                   | 182                  | 50                   | 82                                                      | 31                                                      | 121                                                     | 354                                                       | 346                                                        | 432                                                     | 396                                                     | 366                                                      | 155                                      |
| 393                   | 183                  | 11                   | 94                                                      | 31                                                      | 129                                                     | 384                                                       | 383                                                        | 458                                                     | 408                                                     | 378                                                      | 156                                      |
| 394                   | 183                  | 33                   | 98                                                      | 31                                                      | 135                                                     | 389                                                       | 390                                                        | 485                                                     | 419                                                     | 392                                                      | 157                                      |
| 395                   | 183                  | 54                   | 98                                                      | 31                                                      | 139                                                     | 364                                                       | 363                                                        | 486                                                     | 424                                                     | 391                                                      | 158                                      |
| 396                   | 184                  | 15                   | 90                                                      | 31                                                      | 136                                                     | 327                                                       | 324                                                        | 467                                                     | 410                                                     | 386                                                      | 160                                      |
| 397                   | 184                  | 38                   | 79                                                      | 32                                                      | 121                                                     | 294                                                       | 286                                                        | 448                                                     | 412                                                     | 377                                                      | 160                                      |
| 398                   | 190                  | 46                   | 55                                                      | 30                                                      | 63                                                      | 249                                                       | 235                                                        | 390                                                     | 379                                                     | 361                                                      | 133                                      |
| 399                   | 191                  | 7                    | 56                                                      | 30                                                      | 70                                                      | 281                                                       | 284                                                        | 393                                                     | 376                                                     | 360                                                      | 133                                      |
| 400                   | 191                  | 29                   | 74                                                      | 30                                                      | 84                                                      | 305                                                       | 298                                                        | 396                                                     | 376                                                     | 364                                                      | 134                                      |
| 401                   | 191                  | 50                   | 80                                                      | 31                                                      | 96                                                      | 310                                                       | 306                                                        | 396                                                     | 372                                                     | 361                                                      | 135                                      |
| 402                   | 192                  | 12                   | 82                                                      | 31                                                      | 103                                                     | 320                                                       | 314                                                        | 397                                                     | 371                                                     | 363                                                      | 136                                      |
| 403                   | 192                  | 33                   | 87                                                      | 30                                                      | 111                                                     | 355                                                       | 350                                                        | 412                                                     | 375                                                     | 368                                                      | 135                                      |

| -01<br>SUEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG-1<br>COMPRS<br>CSE<br>STG-4<br>6.00<br>DEG.C | 7-18<br>ENG-1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEC.C | 7-21<br>ENG-1<br>COMPRS<br>CSE<br>STG-5<br>6.00<br>DEG.C | 7-23<br>ENG-1<br>GAS<br>GN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG-1<br>GAS<br>GN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG-1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG-1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG-1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG-1<br>HORNESS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------|
| 404                   | 192                  | 55                   | 92                                                       | 29                                                      | 121                                                      | *                                                      | *                                                       | *                                                       | *                                                       | *                                                        | *                                         |
| 405                   | 193                  | 16                   | *                                                        | 29                                                      | 122                                                      | 403                                                    | 403                                                     | 491                                                     | 418                                                     | 394                                                      | 139                                       |
| 406                   | 193                  | 30                   | *                                                        | 29                                                      | 122                                                      | 403                                                    | 403                                                     | 513                                                     | 434                                                     | 410                                                      | 141                                       |
| 407                   | *                    | 30                   | 92                                                       | 30                                                      | 120                                                      | 402                                                    | 400                                                     | 524                                                     | 447                                                     | 420                                                      | 143                                       |
| 408                   | 194                  | 18                   | 90                                                       | 29                                                      | 119                                                      | 400                                                    | 395                                                     | 532                                                     | 425                                                     | 427                                                      | 145                                       |
| 409                   | 194                  | 42                   | 89                                                       | 30                                                      | 121                                                      | 400                                                    | 394                                                     | 534                                                     | 461                                                     | 432                                                      | 147                                       |
| 410                   | 195                  | 4                    | 88                                                       | 28                                                      | 121                                                      | 401                                                    | 394                                                     | 536                                                     | 465                                                     | 433                                                      | 151                                       |
| 411                   | 195                  | 25                   | 88                                                       | 29                                                      | 122                                                      | 400                                                    | 394                                                     | 536                                                     | 466                                                     | 433                                                      | 153                                       |
| 412                   | 195                  | 46                   | 88                                                       | 29                                                      | 123                                                      | 401                                                    | 395                                                     | 539                                                     | 468                                                     | 436                                                      | 156                                       |
| 413                   | 196                  | 8                    | 89                                                       | 28                                                      | 124                                                      | 401                                                    | 395                                                     | 542                                                     | 468                                                     | 436                                                      | 159                                       |
| 414                   | 196                  | 29                   | 89                                                       | 29                                                      | 124                                                      | 401                                                    | 395                                                     | 543                                                     | 468                                                     | 437                                                      | 161                                       |
| 415                   | 196                  | 51                   | 87                                                       | 28                                                      | 124                                                      | 400                                                    | 394                                                     | 545                                                     | 468                                                     | 437                                                      | 163                                       |
| 416                   | 203                  | 52                   | 87                                                       | 32                                                      | 126                                                      | 412                                                    | 406                                                     | 545                                                     | 479                                                     | 445                                                      | 184                                       |
| 417                   | 204                  | 14                   | 92                                                       | 32                                                      | 129                                                      | 412                                                    | 406                                                     | 557                                                     | 478                                                     | 446                                                      | 184                                       |
| 418                   | 204                  | 35                   | 92                                                       | 32                                                      | 129                                                      | 413                                                    | 407                                                     | 558                                                     | 480                                                     | 446                                                      | 185                                       |
| 419                   | 209                  | 34                   | 91                                                       | 39                                                      | 125                                                      | 400                                                    | 396                                                     | 499                                                     | 446                                                     | 422                                                      | 179                                       |
| 420                   | 209                  | 55                   | 91                                                       | 38                                                      | 126                                                      | 403                                                    | 398                                                     | 508                                                     | 449                                                     | 429                                                      | 188                                       |
| 421                   | 210                  | 16                   | 93                                                       | 36                                                      | 126                                                      | 403                                                    | 397                                                     | 512                                                     | 452                                                     | 432                                                      | 160                                       |
| 422                   | 210                  | 38                   | 93                                                       | 38                                                      | 128                                                      | *                                                      | *                                                       | *                                                       | *                                                       | *                                                        | *                                         |
| 423                   | 210                  | 59                   | *                                                        | *                                                       | 128                                                      | *                                                      | *                                                       | *                                                       | *                                                       | *                                                        | *                                         |
| 424                   | 211                  | 20                   | *                                                        | 39                                                      | 128                                                      | 392                                                    | 347                                                     | 502                                                     | 455                                                     | 422                                                      | 180                                       |
| 425                   | 211                  | 20                   | 83                                                       | 39                                                      | 123                                                      | 390                                                    | 319                                                     | 461                                                     | 453                                                     | 417                                                      | 179                                       |
| 426                   | 212                  | 57                   | 77                                                       | 30                                                      | 117                                                      | 305                                                    | 296                                                     | 439                                                     | 432                                                     | 383                                                      | 177                                       |
| 427                   | 213                  | 18                   | 73                                                       | 38                                                      | 101                                                      | 284                                                    | 275                                                     | 426                                                     | 418                                                     | 366                                                      | 175                                       |
| 428                   | 213                  | 40                   | 68                                                       | 38                                                      | 90                                                       | 271                                                    | 259                                                     | 419                                                     | 409                                                     | 357                                                      | 173                                       |
| 429                   | 214                  | 1                    | 65                                                       | 38                                                      | 82                                                       | 262                                                    | 249                                                     | 415                                                     | 404                                                     | 351                                                      | 172                                       |
| 430                   | 214                  | 23                   | 64                                                       | 38                                                      | 77                                                       | 257                                                    | 241                                                     | 415                                                     | 403                                                     | 348                                                      | 169                                       |
| 431                   | 214                  | 44                   | 63                                                       | 40                                                      | 74                                                       | 253                                                    | 233                                                     | 412                                                     | 401                                                     | 341                                                      | 166                                       |
| 432                   | 215                  | 5                    | 52                                                       | 39                                                      | 71                                                       | 250                                                    | 233                                                     | 410                                                     | 399                                                     | 338                                                      | 163                                       |
| 433                   | 215                  | 27                   | 51                                                       | 39                                                      | 70                                                       | 249                                                    | 234                                                     | 406                                                     | 395                                                     | 336                                                      | 161                                       |
| 434                   | 215                  | 48                   | 52                                                       | 39                                                      | 70                                                       | *                                                      | *                                                       | *                                                       | *                                                       | 335                                                      | 158                                       |
| 435                   | 216                  | 18                   | 51                                                       | 38                                                      | 69                                                       | 247                                                    | 234                                                     | 404                                                     | 393                                                     | 334                                                      | 154                                       |
| 436                   | 216                  | 29                   | 61                                                       | 39                                                      | 69                                                       | 246                                                    | 233                                                     | 404                                                     | 392                                                     | 332                                                      | 151                                       |
| 437                   | 216                  | 53                   | 60                                                       | 38                                                      | 68                                                       | 244                                                    | 232                                                     | 404                                                     | 389                                                     | 333                                                      | 150                                       |
| 438                   | 217                  | 14                   | 61                                                       | 39                                                      | 66                                                       | 244                                                    | 233                                                     | 403                                                     | 388                                                     | 334                                                      | 147                                       |
| 439                   | 217                  | 36                   | 61                                                       | 39                                                      | 68                                                       | 244                                                    | 234                                                     | 403                                                     | 387                                                     | 334                                                      | 145                                       |
| 440                   | 217                  | 57                   | 61                                                       | 39                                                      | 68                                                       | 244                                                    | 234                                                     | 403                                                     | 387                                                     | 333                                                      | 144                                       |
| 441                   | 218                  | 18                   | 60                                                       | 39                                                      | 66                                                       | 243                                                    | 234                                                     | 403                                                     | 387                                                     | 335                                                      | 141                                       |
| 442                   | 219                  | 40                   | 50                                                       | 38                                                      | 67                                                       | 244                                                    | 235                                                     | 402                                                     | 386                                                     | 335                                                      | 140                                       |
| 443                   | 219                  | 1                    | 51                                                       | 39                                                      | 68                                                       | 244                                                    | 235                                                     | 402                                                     | 386                                                     | 335                                                      | 140                                       |
| 444                   | 219                  | 23                   | *                                                        | 39                                                      | 68                                                       | 243                                                    | 235                                                     | 402                                                     | 387                                                     | 334                                                      | 136                                       |
| 445                   | 220                  | 6                    | 50                                                       | 38                                                      | 68                                                       | 242                                                    | 235                                                     | 400                                                     | 387                                                     | 336                                                      | 134                                       |
| 446                   | 220                  | 27                   | 50                                                       | 38                                                      | 68                                                       | 242                                                    | 235                                                     | 401                                                     | 387                                                     | 334                                                      | 133                                       |
| 447                   | 220                  | 49                   | 52                                                       | 38                                                      | 66                                                       | 242                                                    | 234                                                     | 401                                                     | 388                                                     | 334                                                      | 131                                       |
| 448                   | 220                  | 11                   | 53                                                       | 38                                                      | 69                                                       | 242                                                    | 235                                                     | 401                                                     | 388                                                     | 332                                                      | 130                                       |
| 449                   | 221                  | 32                   | 52                                                       | 38                                                      | 69                                                       | 242                                                    | 234                                                     | 400                                                     | 387                                                     | 331                                                      | 128                                       |
| 450                   | 221                  | 54                   | 51                                                       | 38                                                      | 68                                                       | 244                                                    | 235                                                     | 401                                                     | 387                                                     | 330                                                      | 126                                       |
| 451                   | 221                  | 54                   | 50                                                       | 38                                                      | 68                                                       | 244                                                    | 234                                                     | 402                                                     | 389                                                     | 331                                                      | 126                                       |
| 452                   | 222                  | 35                   | 51                                                       | 38                                                      | 67                                                       | 244                                                    | 234                                                     | 402                                                     | 389                                                     | 330                                                      | 124                                       |
| 453                   | 222                  | 35                   | 51                                                       | 38                                                      | 67                                                       | 244                                                    | 234                                                     | 402                                                     | 389                                                     | 330                                                      | 124                                       |



| -01<br>SWEET<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>TRB<br>GN CSE<br>12.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>TRB<br>GN CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>T5<br>HRNESS<br>TEMP<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 454                   | 222                  | 56                   | 65                                                      | 39                                                      | 68                                               | 278                                                     | 268                                                     | 387                                                     | 383                                                     | 325                                                      | 122                                                     |
| 455                   | 223                  | 19                   | 71                                                      | 38                                                      | 75                                               | 292                                                     | 287                                                     | 379                                                     | 377                                                     | 323                                                      | 123                                                     |
| 456                   | 223                  | 41                   | 74                                                      | 38                                                      | 80                                               | 295                                                     | 293                                                     | 376                                                     | 372                                                     | 319                                                      | 122                                                     |
| 457                   | 224                  | 2                    | 76                                                      | 39                                                      | 84                                               | 296                                                     | 294                                                     | 371                                                     | 368                                                     | 317                                                      | 124                                                     |
| 458                   | 224                  | 24                   | 76                                                      | 38                                                      | 86                                               | 298                                                     | 294                                                     | 145                                                     | *                                                       | *                                                        | *                                                       |
| 459                   | 224                  | 46                   | 77                                                      | 40                                                      | 88                                               | 299                                                     | 294                                                     | 366                                                     | 363                                                     | 315                                                      | 124                                                     |
| 460                   | 225                  | 7                    | 78                                                      | 39                                                      | 88                                               | 298                                                     | 292                                                     | 363                                                     | 361                                                     | 310                                                      | 126                                                     |
| 461                   | 225                  | 29                   | 79                                                      | 38                                                      | 89                                               | 325                                                     | 320                                                     | 371                                                     | 364                                                     | 321                                                      | 126                                                     |
| 462                   | 225                  | 50                   | 80                                                      | 38                                                      | 97                                               | 344                                                     | 342                                                     | 386                                                     | 373                                                     | 335                                                      | 128                                                     |
| 463                   | 226                  | 12                   | 82                                                      | 39                                                      | 106                                              | 354                                                     | 353                                                     | 405                                                     | 381                                                     | 347                                                      | 130                                                     |
| 464                   | 226                  | 34                   | 84                                                      | 38                                                      | 113                                              | 362                                                     | 362                                                     | 421                                                     | 393                                                     | 359                                                      | 111                                                     |
| 465                   | 226                  | 55                   | *                                                       | 39                                                      | 117                                              | 360                                                     | 362                                                     | 431                                                     | 401                                                     | 366                                                      | 135                                                     |
| 466                   | 227                  | 17                   | 84                                                      | 38                                                      | 118                                              | 350                                                     | 351                                                     | 431                                                     | 404                                                     | 367                                                      | 137                                                     |
| 467                   | 227                  | 39                   | 84                                                      | 38                                                      | 116                                              | 343                                                     | 341                                                     | 422                                                     | 404                                                     | 365                                                      | 138                                                     |
| 468                   | 228                  | 1                    | 83                                                      | 38                                                      | 113                                              | 340                                                     | 337                                                     | 417                                                     | 402                                                     | 363                                                      | 140                                                     |
| 469                   | 228                  | 23                   | 83                                                      | 38                                                      | 112                                              | 339                                                     | 336                                                     | 413                                                     | 400                                                     | 361                                                      | 140                                                     |
| 470                   | 228                  | 44                   | *                                                       | *                                                       | *                                                | *                                                       | 327                                                     | 406                                                     | 397                                                     | 354                                                      | 142                                                     |
| 471                   | 229                  | 6                    | 83                                                      | 39                                                      | 110                                              | 347                                                     | 344                                                     | 412                                                     | 399                                                     | 359                                                      | 143                                                     |
| 472                   | 229                  | 28                   | 84                                                      | 39                                                      | 112                                              | 350                                                     | 348                                                     | 415                                                     | 402                                                     | 363                                                      | 145                                                     |
| 473                   | 229                  | 50                   | 84                                                      | 38                                                      | 114                                              | 350                                                     | 348                                                     | 420                                                     | 404                                                     | 367                                                      | 146                                                     |
| 474                   | 230                  | 11                   | 84                                                      | 38                                                      | 116                                              | 351                                                     | 348                                                     | 421                                                     | 406                                                     | 369                                                      | 146                                                     |
| 475                   | 230                  | 33                   | 85                                                      | 38                                                      | *                                                | *                                                       | *                                                       | *                                                       | *                                                       | *                                                        | 149                                                     |
| 476                   | *                    | *                    | 92                                                      | 39                                                      | 118                                              | 429                                                     | 428                                                     | 480                                                     | 426                                                     | 405                                                      | 151                                                     |
| 477                   | 231                  | 16                   | 95                                                      | 38                                                      | 127                                              | 432                                                     | 432                                                     | 515                                                     | 450                                                     | 432                                                      | 155                                                     |
| 478                   | 231                  | 37                   | 95                                                      | 39                                                      | 128                                              | 430                                                     | 430                                                     | 537                                                     | 483                                                     | 442                                                      | 153                                                     |
| 479                   | 231                  | 58                   | 96                                                      | 39                                                      | 130                                              | 430                                                     | 426                                                     | 552                                                     | 475                                                     | 451                                                      | 161                                                     |
| 480                   | 232                  | 20                   | 95                                                      | 40                                                      | 130                                              | 430                                                     | 427                                                     | 563                                                     | 482                                                     | 458                                                      | 163                                                     |
| 481                   | 232                  | 41                   | 99                                                      | 38                                                      | *                                                | *                                                       | *                                                       | *                                                       | *                                                       | 466                                                      | 166                                                     |
| 482                   | *                    | *                    | 102                                                     | 39                                                      | 134                                              | 448                                                     | 443                                                     | 585                                                     | 496                                                     | 478                                                      | 170                                                     |
| 483                   | 233                  | 24                   | 101                                                     | 38                                                      | 135                                              | 445                                                     | 439                                                     | 592                                                     | 504                                                     | 484                                                      | 176                                                     |
| 484                   | 233                  | 46                   | 102                                                     | 39                                                      | 135                                              | 449                                                     | 441                                                     | 599                                                     | 506                                                     | 488                                                      | 178                                                     |
| 485                   | 234                  | 7                    | 103                                                     | 38                                                      | 136                                              | 450                                                     | 443                                                     | 605                                                     | 509                                                     | 490                                                      | 181                                                     |
| 486                   | 234                  | 29                   | 101                                                     | *                                                       | *                                                | *                                                       | *                                                       | *                                                       | *                                                       | 493                                                      | 184                                                     |
| 487                   | 235                  | 48                   | 101                                                     | 39                                                      | 137                                              | 452                                                     | 443                                                     | 611                                                     | 513                                                     | 495                                                      | 189                                                     |
| 488                   | 235                  | 13                   | 101                                                     | 39                                                      | 136                                              | 451                                                     | 443                                                     | 613                                                     | 514                                                     | 497                                                      | 191                                                     |
| 489                   | 235                  | 34                   | 99                                                      | 39                                                      | 137                                              | 448                                                     | 442                                                     | 612                                                     | 516                                                     | 495                                                      | 195                                                     |
| 490                   | 235                  | 56                   | 99                                                      | 40                                                      | 136                                              | 438                                                     | 431                                                     | 602                                                     | 514                                                     | 490                                                      | 196                                                     |
| 491                   | 235                  | 17                   | *                                                       | *                                                       | *                                                | *                                                       | *                                                       | 589                                                     | 506                                                     | 481                                                      | 198                                                     |
| 492                   | 236                  | 39                   | 95                                                      | 39                                                      | 131                                              | 431                                                     | 426                                                     | 586                                                     | 501                                                     | 478                                                      | 199                                                     |
| 493                   | 237                  | 0                    | 94                                                      | 39                                                      | 131                                              | 429                                                     | 424                                                     | 582                                                     | 498                                                     | 475                                                      | 201                                                     |
| 494                   | 237                  | 22                   | 94                                                      | 40                                                      | 131                                              | 431                                                     | 425                                                     | 581                                                     | 497                                                     | 475                                                      | 203                                                     |
| 495                   | 237                  | 44                   | 94                                                      | 39                                                      | 130                                              | 434                                                     | 428                                                     | 582                                                     | 497                                                     | 474                                                      | *                                                       |
| 496                   | 238                  | 19                   | 95                                                      | 40                                                      | 130                                              | 436                                                     | 429                                                     | 584                                                     | 497                                                     | 476                                                      | 204                                                     |
| 497                   | 238                  | 27                   | 95                                                      | 40                                                      | 131                                              | 435                                                     | 431                                                     | 586                                                     | 498                                                     | 477                                                      | 206                                                     |
| 498                   | 238                  | 47                   | 96                                                      | 39                                                      | 131                                              | 436                                                     | 431                                                     | 586                                                     | 499                                                     | 477                                                      | 206                                                     |
| 499                   | 239                  | 10                   | 97                                                      | 39                                                      | 132                                              | 436                                                     | 430                                                     | 587                                                     | 499                                                     | 477                                                      | 207                                                     |
| 500                   | 239                  | 32                   | *                                                       | *                                                       | 134                                              | 419                                                     | 416                                                     | 576                                                     | 496                                                     | 471                                                      | 207                                                     |
| 501                   | 239                  | 54                   | 94                                                      | 39                                                      | 131                                              | 418                                                     | 415                                                     | 567                                                     | 491                                                     | 467                                                      | 208                                                     |
| 502                   | 240                  | 15                   | 93                                                      | 40                                                      | 131                                              | 418                                                     | 414                                                     | 563                                                     | 487                                                     | 463                                                      | 207                                                     |
| 503                   | 240                  | 37                   | 92                                                      | 39                                                      | 130                                              | 418                                                     | 413                                                     | 560                                                     | 484                                                     | 461                                                      | 206                                                     |

| SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG-1<br>COMPR<br>CSE<br>STG-4<br>6.00<br>DEG-C | 7-18<br>ENG-1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG-C | 7-21<br>ENG-1<br>COMPR<br>CSE<br>STG-5<br>6.00<br>DEG-C | 7-23<br>ENG-1<br>GAS<br>GN TRB<br>CSE<br>8.00<br>DEG-C | 7-24<br>ENG-1<br>GAS<br>GN TRB<br>CSE<br>12.00<br>DEG-C | 7-25<br>ENG-1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG-C | 7-26<br>ENG-1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG-C | 7-27<br>ENG-1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG-C | 7-28<br>ENG-1<br>HRNESS<br>TEMP<br>DEG-C |
|----------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|
| 504            | 280                  | 59                   | *                                                       | *                                                       | 129                                                     | 412                                                    | 408                                                     | 556                                                     | 481                                                     | 459                                                      | 206                                      |
| 505            | 281                  | 21                   | 96                                                      | 39                                                      | 129                                                     | 404                                                    | 401                                                     | 546                                                     | 477                                                     | 455                                                      | 206                                      |
| 506            | 281                  | 42                   | 98                                                      | 39                                                      | 131                                                     | 402                                                    | 398                                                     | 536                                                     | 473                                                     | 450                                                      | 205                                      |
| 507            | 282                  | 4                    | 95                                                      | 39                                                      | 131                                                     | 400                                                    | 396                                                     | 526                                                     | 470                                                     | 444                                                      | 204                                      |
| 508            | 282                  | 26                   | *                                                       | *                                                       | 130                                                     | 399                                                    | 395                                                     | 521                                                     | 467                                                     | 441                                                      | 202                                      |
| 509            | 282                  | 47                   | 95                                                      | 40                                                      | 130                                                     | 395                                                    | 391                                                     | 514                                                     | 464                                                     | 437                                                      | 203                                      |
| 510            | 283                  | 9                    | 95                                                      | 40                                                      | 129                                                     | 404                                                    | 399                                                     | 517                                                     | 463                                                     | 435                                                      | 200                                      |
| 511            | 283                  | 30                   | 96                                                      | 40                                                      | 131                                                     | 409                                                    | 405                                                     | 524                                                     | 465                                                     | 437                                                      | 198                                      |
| 512            | 283                  | 52                   | *                                                       | *                                                       | 133                                                     | 409                                                    | 404                                                     | 528                                                     | 467                                                     | 438                                                      | 197                                      |
| 513            | 284                  | 13                   | 97                                                      | 40                                                      | 133                                                     | 410                                                    | 404                                                     | 532                                                     | 468                                                     | 439                                                      | 196                                      |
| 514            | 284                  | 35                   | 97                                                      | 40                                                      | 134                                                     | 408                                                    | 403                                                     | 530                                                     | 470                                                     | 439                                                      | 196                                      |
| 515            | 284                  | 56                   | 96                                                      | 40                                                      | 132                                                     | 398                                                    | 392                                                     | 523                                                     | 467                                                     | 437                                                      | 196                                      |
| 516            | 285                  | 18                   | *                                                       | *                                                       | *                                                       | 394                                                    | 388                                                     | 514                                                     | 464                                                     | 433                                                      | 195                                      |
| 517            | 285                  | 39                   | 93                                                      | 40                                                      | 131                                                     | 393                                                    | 388                                                     | 509                                                     | 461                                                     | 429                                                      | 194                                      |
| 518            | 286                  | 1                    | 95                                                      | 40                                                      | 130                                                     | 405                                                    | 401                                                     | 513                                                     | 459                                                     | 429                                                      | 193                                      |
| 519            | 286                  | 22                   | 94                                                      | 41                                                      | 134                                                     | 411                                                    | 408                                                     | 522                                                     | 462                                                     | 435                                                      | 193                                      |
| 520            | 286                  | 44                   | *                                                       | 41                                                      | 134                                                     | 414                                                    | 409                                                     | 528                                                     | 469                                                     | 438                                                      | 191                                      |
| 521            | 287                  | 6                    | 101                                                     | 41                                                      | 130                                                     | 414                                                    | 409                                                     | 533                                                     | 466                                                     | 402                                                      | 190                                      |
| 522            | 287                  | 27                   | 100                                                     | 42                                                      | 136                                                     | 412                                                    | 406                                                     | 533                                                     | 470                                                     | 442                                                      | 190                                      |
| 523            | 287                  | 49                   | 100                                                     | 41                                                      | 137                                                     | 411                                                    | 406                                                     | 533                                                     | 471                                                     | 442                                                      | 189                                      |
| 524            | *                    | *                    | 99                                                      | 41                                                      | 136                                                     | 412                                                    | 406                                                     | 533                                                     | 471                                                     | 442                                                      | 191                                      |
| 525            | 288                  | 32                   | 97                                                      | 41                                                      | 135                                                     | 399                                                    | 394                                                     | 528                                                     | 470                                                     | 440                                                      | 192                                      |
| 526            | 289                  | 53                   | 96                                                      | 40                                                      | 134                                                     | 387                                                    | 380                                                     | 510                                                     | 465                                                     | 426                                                      | 193                                      |
| 527            | 289                  | 15                   | 93                                                      | 40                                                      | *                                                       | *                                                      | *                                                       | *                                                       | *                                                       | *                                                        | *                                        |
| 528            | 289                  | 36                   | 94                                                      | 41                                                      | 130                                                     | 341                                                    | 340                                                     | 460                                                     | 432                                                     | 404                                                      | 185                                      |
| 529            | 289                  | 58                   | 94                                                      | 40                                                      | 128                                                     | 346                                                    | 341                                                     | 446                                                     | 420                                                     | 392                                                      | 184                                      |
| 530            | 290                  | 19                   | 90                                                      | 41                                                      | 129                                                     | 354                                                    | 350                                                     | 448                                                     | 417                                                     | 384                                                      | 183                                      |
| 531            | 290                  | 41                   | 100                                                     | 41                                                      | 132                                                     | 338                                                    | 328                                                     | 440                                                     | 412                                                     | 377                                                      | 181                                      |
| 532            | 291                  | 2                    | 99                                                      | 41                                                      | 128                                                     | 330                                                    | 320                                                     | 430                                                     | 405                                                     | 368                                                      | 180                                      |
| 533            | 291                  | 24                   | 98                                                      | 58                                                      | 124                                                     | 331                                                    | 322                                                     | 422                                                     | 401                                                     | 362                                                      | 180                                      |
| 534            | 291                  | 46                   | 102                                                     | 38                                                      | *                                                       | *                                                      | *                                                       | *                                                       | *                                                       | *                                                        | 179                                      |
| 535            | 292                  | 7                    | 105                                                     | 44                                                      | 127                                                     | 340                                                    | 320                                                     | 425                                                     | 397                                                     | 353                                                      | 179                                      |
| 536            | 292                  | 29                   | 109                                                     | 44                                                      | 129                                                     | 341                                                    | 321                                                     | 427                                                     | 395                                                     | 353                                                      | 178                                      |
| 537            | 292                  | 51                   | 113                                                     | 46                                                      | 132                                                     | 347                                                    | 323                                                     | 429                                                     | 398                                                     | 354                                                      | 178                                      |
| 538            | *                    | *                    | 116                                                     | 43                                                      | 135                                                     | 347                                                    | 325                                                     | 432                                                     | 395                                                     | 355                                                      | 177                                      |
| 539            | 293                  | 34                   | 113                                                     | 41                                                      | 136                                                     | 333                                                    | 316                                                     | 431                                                     | 395                                                     | 356                                                      | 177                                      |
| 540            | 294                  | 39                   | 91                                                      | 40                                                      | 119                                                     | 291                                                    | 278                                                     | 425                                                     | 399                                                     | 359                                                      | 175                                      |
| 541            | 294                  | 1                    | 85                                                      | 44                                                      | 107                                                     | 268                                                    | 268                                                     | 426                                                     | 405                                                     | 366                                                      | 174                                      |
| 542            | 294                  | 1                    | 80                                                      | 47                                                      | 97                                                      | 293                                                    | 273                                                     | 417                                                     | 402                                                     | 367                                                      | 170                                      |
| 543            | 295                  | *                    | 75                                                      | 45                                                      | 90                                                      | 298                                                    | 274                                                     | 398                                                     | 388                                                     | 354                                                      | 169                                      |

MK-53C S/N 60-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG.2<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | 0-06<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>IMBO<br>DEG.C | 0-07<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>OUTBD<br>DEG.C | 0-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 0-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.80<br>DEG.C | 0-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 0-15<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DEG.C | 0-16<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>4.30<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 308                   | 141                  | 18                   | 43                                                          | 42                                                         | 41                                                          | 44                                                     | 44                                                     | *                                                       | *                                                       | *                                                       | *                                                       | *                                                       |
| 309                   | 141                  | 39                   | 43                                                          | 43                                                         | 42                                                          | 58                                                     | 44                                                     | 45                                                      | 44                                                      | 43                                                      | 45                                                      | 44                                                      |
| 310                   | 142                  | 1                    | 43                                                          | 43                                                         | 42                                                          | 64                                                     | 44                                                     | 50                                                      | 49                                                      | 48                                                      | 53                                                      | 51                                                      |
| 311                   | 142                  | 22                   | 44                                                          | 43                                                         | 43                                                          | 67                                                     | 45                                                     | 61                                                      | 52                                                      | 59                                                      | 72                                                      | 68                                                      |
| 312                   | 142                  | 44                   | 44                                                          | 43                                                         | 41                                                          | 68                                                     | 45                                                     | 67                                                      | 74                                                      | 69                                                      | 89                                                      | 83                                                      |
| 313                   | 143                  | 5                    | 45                                                          | 44                                                         | 41                                                          | 73                                                     | 45                                                     | 69                                                      | 79                                                      | 75                                                      | 97                                                      | 92                                                      |
| 314                   | 143                  | 27                   | 46                                                          | 44                                                         | 42                                                          | 74                                                     | 45                                                     | 70                                                      | 81                                                      | 77                                                      | 97                                                      | 94                                                      |
| 315                   | 143                  | 48                   | 46                                                          | 46                                                         | 43                                                          | 77                                                     | 46                                                     | 70                                                      | 82                                                      | 79                                                      | 98                                                      | 96                                                      |
| 316                   | 144                  | 9                    | 48                                                          | 47                                                         | 42                                                          | 78                                                     | 46                                                     | 85                                                      | 77                                                      | 74                                                      | 91                                                      | 91                                                      |
| 317                   | 144                  | 31                   | 49                                                          | 48                                                         | 43                                                          | 80                                                     | 46                                                     | 84                                                      | 76                                                      | 74                                                      | 89                                                      | 89                                                      |
| 318                   | 144                  | 52                   | 50                                                          | 48                                                         | 44                                                          | 81                                                     | 47                                                     | 84                                                      | 75                                                      | 73                                                      | 88                                                      | 88                                                      |
| 319                   | *                    | *                    | *                                                           | 50                                                         | 44                                                          | 81                                                     | 47                                                     | 84                                                      | 75                                                      | 73                                                      | 88                                                      | 88                                                      |
| 320                   | 145                  | 35                   | 51                                                          | 49                                                         | 38                                                          | *                                                      | *                                                      | *                                                       | *                                                       | *                                                       | *                                                       | *                                                       |
| 321                   | 145                  | 56                   | 52                                                          | 51                                                         | 44                                                          | 82                                                     | 48                                                     | 84                                                      | 74                                                      | 72                                                      | 87                                                      | 88                                                      |
| 322                   | 146                  | 17                   | 53                                                          | 53                                                         | 46                                                          | 83                                                     | 48                                                     | 85                                                      | 76                                                      | 74                                                      | 90                                                      | 89                                                      |
| 323                   | 146                  | 38                   | 54                                                          | 53                                                         | 45                                                          | 83                                                     | 48                                                     | 86                                                      | 78                                                      | 74                                                      | 92                                                      | 90                                                      |
| 324                   | 147                  | 21                   | 54                                                          | 53                                                         | 46                                                          | 85                                                     | 48                                                     | 86                                                      | 79                                                      | 73                                                      | 87                                                      | 89                                                      |
| 325                   | 147                  | 42                   | 55                                                          | 54                                                         | 47                                                          | 85                                                     | 49                                                     | 86                                                      | 76                                                      | 74                                                      | 89                                                      | 88                                                      |
| 326                   | 147                  | 4                    | 57                                                          | 54                                                         | 47                                                          | 86                                                     | 48                                                     | 87                                                      | 83                                                      | 83                                                      | 104                                                     | 102                                                     |
| 327                   | 148                  | 25                   | 61                                                          | 58                                                         | 48                                                          | 86                                                     | 46                                                     | 88                                                      | 94                                                      | 87                                                      | 112                                                     | 109                                                     |
| 328                   | 148                  | 46                   | 62                                                          | 60                                                         | 48                                                          | 88                                                     | 45                                                     | 88                                                      | 95                                                      | 88                                                      | 113                                                     | 110                                                     |
| 329                   | 148                  | 8                    | 64                                                          | 60                                                         | 49                                                          | 88                                                     | 45                                                     | 88                                                      | 96                                                      | 89                                                      | 113                                                     | 107                                                     |
| 330                   | 149                  | 29                   | 66                                                          | 62                                                         | 51                                                          | 89                                                     | 45                                                     | 89                                                      | 93                                                      | 83                                                      | 112                                                     | 105                                                     |
| 331                   | 149                  | 50                   | 70                                                          | 61                                                         | 53                                                          | 89                                                     | 44                                                     | 90                                                      | 92                                                      | 82                                                      | 110                                                     | 102                                                     |
| 332                   | 149                  | *                    | 73                                                          | 61                                                         | 53                                                          | 89                                                     | 44                                                     | 90                                                      | 92                                                      | 80                                                      | 110                                                     | 102                                                     |
| 333                   | *                    | *                    | 73                                                          | 63                                                         | 64                                                          | *                                                      | *                                                      | 74                                                      | 92                                                      | 80                                                      | 110                                                     | 102                                                     |
| 334                   | 150                  | 33                   | 73                                                          | 63                                                         | 64                                                          | *                                                      | *                                                      | *                                                       | *                                                       | *                                                       | *                                                       | *                                                       |
| 335                   | 150                  | 54                   | 75                                                          | 64                                                         | 64                                                          | 89                                                     | 44                                                     | 75                                                      | 92                                                      | 81                                                      | 96                                                      | *                                                       |
| 336                   | 151                  | 15                   | 76                                                          | 64                                                         | 64                                                          | 89                                                     | 44                                                     | 75                                                      | 92                                                      | 81                                                      | 110                                                     | 101                                                     |
| 337                   | 151                  | 37                   | 76                                                          | 64                                                         | 65                                                          | 90                                                     | 44                                                     | 75                                                      | 98                                                      | 79                                                      | 109                                                     | 99                                                      |
| 338                   | 151                  | 58                   | 77                                                          | 65                                                         | 65                                                          | 89                                                     | 43                                                     | 72                                                      | 90                                                      | 79                                                      | 107                                                     | 99                                                      |
| 339                   | 152                  | 20                   | 77                                                          | 65                                                         | 64                                                          | 90                                                     | 44                                                     | 71                                                      | 88                                                      | 78                                                      | 107                                                     | 98                                                      |
| 340                   | 152                  | 41                   | 77                                                          | 65                                                         | 64                                                          | 88                                                     | 43                                                     | 70                                                      | 87                                                      | 77                                                      | 107                                                     | 97                                                      |
| 341                   | 153                  | 2                    | 76                                                          | 65                                                         | 64                                                          | 89                                                     | 44                                                     | 69                                                      | 87                                                      | 76                                                      | 105                                                     | 96                                                      |
| 342                   | 153                  | 24                   | 77                                                          | 65                                                         | 64                                                          | 88                                                     | 43                                                     | 68                                                      | 86                                                      | 76                                                      | 104                                                     | 95                                                      |
| 343                   | 153                  | 45                   | 77                                                          | 65                                                         | 64                                                          | 88                                                     | 43                                                     | 68                                                      | 86                                                      | 76                                                      | 104                                                     | 95                                                      |
| 344                   | 154                  | 6                    | 77                                                          | 66                                                         | 64                                                          | 89                                                     | 43                                                     | 68                                                      | 86                                                      | 75                                                      | 104                                                     | 96                                                      |
| 345                   | 154                  | 28                   | 77                                                          | 66                                                         | 65                                                          | 87                                                     | 43                                                     | 67                                                      | 84                                                      | 74                                                      | 102                                                     | 93                                                      |
| 346                   | 154                  | 49                   | 78                                                          | 67                                                         | 65                                                          | 89                                                     | 43                                                     | 65                                                      | 83                                                      | 73                                                      | 103                                                     | 94                                                      |
| 347                   | 155                  | 10                   | 77                                                          | 66                                                         | 65                                                          | 87                                                     | 42                                                     | 66                                                      | 83                                                      | 73                                                      | 103                                                     | 93                                                      |
| 348                   | 155                  | 32                   | 77                                                          | 66                                                         | 65                                                          | 87                                                     | 42                                                     | 66                                                      | 82                                                      | 72                                                      | 101                                                     | 94                                                      |
| 349                   | 155                  | 53                   | 78                                                          | 65                                                         | 65                                                          | 86                                                     | 41                                                     | 64                                                      | 80                                                      | 71                                                      | 100                                                     | 92                                                      |
| 350                   | 156                  | 14                   | 78                                                          | 65                                                         | 66                                                          | 34                                                     | 41                                                     | 64                                                      | 81                                                      | 71                                                      | 100                                                     | 91                                                      |
| 351                   | 156                  | 35                   | 78                                                          | 66                                                         | 66                                                          | 85                                                     | 42                                                     | 64                                                      | 80                                                      | 72                                                      | 100                                                     | 92                                                      |
| 352                   | 156                  | 57                   | 77                                                          | 66                                                         | 67                                                          | 84                                                     | 41                                                     | 63                                                      | 80                                                      | 71                                                      | 100                                                     | 91                                                      |
| 353                   | *                    | 16                   | 78                                                          | 66                                                         | 66                                                          | 83                                                     | 4                                                      | 63                                                      | 80                                                      | 71                                                      | 100                                                     | 91                                                      |

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOJNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 8-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPRS<br>CSE<br>SIG.3<br>8-30<br>DEG.C | 8-12<br>ENG.2<br>COMPRS<br>CSE<br>SIG.3<br>8-30<br>DEG.C | 8-13<br>ENG.2<br>COMPRS<br>CSE<br>SIG.3<br>8-30<br>DEG.C | 8-15<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>8-30<br>DEG.C | 8-16<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>8-30<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 354                   | *                    | *                    | *                                                          | *                                                         | 67                                                         | 83                                                     | 41                                                     | 64                                                       | 80                                                       | 70                                                       | 99                                                       | 90                                                       |
| 355                   | 143                  | 19                   | *                                                          | *                                                         | *                                                          | *                                                      | *                                                      | 63                                                       | 80                                                       | 69                                                       | 99                                                       | 90                                                       |
| 356                   | 158                  | 22                   | 78                                                         | 64                                                        | *                                                          | *                                                      | *                                                      | *                                                        | *                                                        | *                                                        | *                                                        | *                                                        |
| 357                   | 161                  | 32                   | 77                                                         | 65                                                        | 66                                                         | 53                                                     | 40                                                     | 61                                                       | 77                                                       | 65                                                       | 38                                                       | 83                                                       |
| 358                   | 165                  | 14                   | 74                                                         | 63                                                        | 64                                                         | 82                                                     | 40                                                     | 58                                                       | 76                                                       | 64                                                       | 93                                                       | 84                                                       |
| 359                   | 166                  | 53                   | 74                                                         | 63                                                        | 64                                                         | 80                                                     | 40                                                     | 57                                                       | 73                                                       | 64                                                       | 93                                                       | 84                                                       |
| 360                   | 168                  | 30                   | 74                                                         | 63                                                        | 64                                                         | 78                                                     | 40                                                     | 59                                                       | 75                                                       | 65                                                       | 92                                                       | 84                                                       |
| 361                   | 171                  | 55                   | 73                                                         | 63                                                        | 64                                                         | 79                                                     | 40                                                     | 59                                                       | 74                                                       | 65                                                       | 92                                                       | 84                                                       |
| 362                   | 172                  | 16                   | 74                                                         | 63                                                        | 65                                                         | 79                                                     | 41                                                     | 59                                                       | 74                                                       | 65                                                       | 92                                                       | 84                                                       |
| 363                   | 172                  | 38                   | 74                                                         | 63                                                        | 64                                                         | 79                                                     | 41                                                     | 59                                                       | 74                                                       | 65                                                       | 92                                                       | 84                                                       |
| 364                   | 172                  | 59                   | 74                                                         | 62                                                        | 65                                                         | 79                                                     | 40                                                     | 60                                                       | 75                                                       | 65                                                       | 93                                                       | 84                                                       |
| 365                   | 173                  | 20                   | 74                                                         | 62                                                        | 65                                                         | 78                                                     | 40                                                     | 60                                                       | 74                                                       | 65                                                       | 94                                                       | 83                                                       |
| 366                   | 173                  | 41                   | 75                                                         | 63                                                        | 64                                                         | 79                                                     | 40                                                     | 61                                                       | 75                                                       | 66                                                       | 93                                                       | 84                                                       |
| 367                   | 174                  | 2                    | 74                                                         | 63                                                        | 65                                                         | 78                                                     | 41                                                     | 61                                                       | 75                                                       | 67                                                       | 92                                                       | 84                                                       |
| 368                   | 174                  | 23                   | 74                                                         | 63                                                        | 63                                                         | 78                                                     | 40                                                     | 61                                                       | 76                                                       | 66                                                       | 92                                                       | 83                                                       |
| 369                   | 174                  | 44                   | 74                                                         | 63                                                        | 63                                                         | 77                                                     | 41                                                     | 62                                                       | 75                                                       | 66                                                       | 93                                                       | 84                                                       |
| 370                   | 175                  | 5                    | 74                                                         | 63                                                        | 63                                                         | 77                                                     | 41                                                     | 60                                                       | 74                                                       | 65                                                       | 89                                                       | 82                                                       |
| 371                   | 175                  | 26                   | 74                                                         | 63                                                        | 65                                                         | 76                                                     | 41                                                     | 60                                                       | 73                                                       | 66                                                       | 87                                                       | 80                                                       |
| 372                   | 175                  | 47                   | 74                                                         | 62                                                        | 66                                                         | 76                                                     | 42                                                     | 61                                                       | 73                                                       | 65                                                       | 88                                                       | 80                                                       |
| 373                   | 176                  | 8                    | 74                                                         | 62                                                        | 66                                                         | 76                                                     | 42                                                     | 61                                                       | 74                                                       | 66                                                       | 88                                                       | 81                                                       |
| 374                   | 176                  | 29                   | 74                                                         | 63                                                        | 65                                                         | 76                                                     | 43                                                     | 63                                                       | 74                                                       | 67                                                       | 90                                                       | 82                                                       |
| 375                   | 176                  | 51                   | 75                                                         | 63                                                        | 66                                                         | 77                                                     | 42                                                     | 65                                                       | 76                                                       | 69                                                       | 92                                                       | 84                                                       |
| 376                   | 177                  | 12                   | 75                                                         | 64                                                        | 67                                                         | 76                                                     | 44                                                     | 64                                                       | 77                                                       | 68                                                       | 92                                                       | 83                                                       |
| 377                   | 177                  | 33                   | 74                                                         | 64                                                        | 66                                                         | 78                                                     | 43                                                     | 63                                                       | 76                                                       | 68                                                       | 90                                                       | 82                                                       |
| 378                   | 177                  | 54                   | 74                                                         | 63                                                        | 67                                                         | 77                                                     | 43                                                     | 64                                                       | 76                                                       | 68                                                       | 92                                                       | 83                                                       |
| 379                   | 178                  | 15                   | 74                                                         | 63                                                        | 66                                                         | 77                                                     | 43                                                     | 64                                                       | 77                                                       | 69                                                       | 93                                                       | 83                                                       |
| 380                   | 178                  | 36                   | 74                                                         | 63                                                        | 68                                                         | 78                                                     | 43                                                     | 66                                                       | 78                                                       | 70                                                       | 94                                                       | 85                                                       |
| 381                   | 178                  | 57                   | 74                                                         | 63                                                        | 68                                                         | 78                                                     | 42                                                     | 67                                                       | 80                                                       | 71                                                       | 96                                                       | 89                                                       |
| 382                   | 179                  | 18                   | 75                                                         | 64                                                        | 67                                                         | 79                                                     | 43                                                     | 67                                                       | 88                                                       | 71                                                       | 97                                                       | 88                                                       |
| 383                   | 179                  | 39                   | 73                                                         | 63                                                        | 64                                                         | 79                                                     | 43                                                     | 65                                                       | 79                                                       | 70                                                       | 96                                                       | 87                                                       |
| 384                   | 180                  | 1                    | 71                                                         | 63                                                        | 64                                                         | 80                                                     | 42                                                     | 64                                                       | 78                                                       | 69                                                       | 94                                                       | 86                                                       |
| 385                   | 180                  | 22                   | 70                                                         | 64                                                        | 61                                                         | 79                                                     | 42                                                     | 66                                                       | 79                                                       | 78                                                       | 96                                                       | 87                                                       |
| 386                   | 180                  | 44                   | 70                                                         | 63                                                        | 60                                                         | 80                                                     | 42                                                     | 66                                                       | 80                                                       | 78                                                       | 96                                                       | 88                                                       |
| 387                   | 181                  | 5                    | 70                                                         | 60                                                        | 58                                                         | 80                                                     | 43                                                     | 64                                                       | 78                                                       | 69                                                       | 93                                                       | 85                                                       |
| 388                   | 181                  | 27                   | 68                                                         | 63                                                        | 54                                                         | 80                                                     | 42                                                     | 59                                                       | 71                                                       | 64                                                       | 85                                                       | 79                                                       |
| 389                   | 181                  | 48                   | 66                                                         | 63                                                        | 51                                                         | 79                                                     | 43                                                     | 59                                                       | 69                                                       | 62                                                       | 82                                                       | 76                                                       |
| 390                   | 182                  | 10                   | 55                                                         | 61                                                        | 50                                                         | 79                                                     | 43                                                     | 60                                                       | 69                                                       | 63                                                       | 82                                                       | 75                                                       |
| 391                   | 182                  | 31                   | 54                                                         | 58                                                        | 47                                                         | 80                                                     | 43                                                     | 62                                                       | 70                                                       | 64                                                       | 83                                                       | 77                                                       |
| 392                   | 182                  | 52                   | 54                                                         | 59                                                        | 47                                                         | 83                                                     | 44                                                     | 60                                                       | 78                                                       | 72                                                       | 95                                                       | 88                                                       |
| 393                   | 183                  | 14                   | 64                                                         | 60                                                        | 48                                                         | 84                                                     | 43                                                     | 73                                                       | 85                                                       | 80                                                       | 107                                                      | 101                                                      |
| 394                   | 183                  | 35                   | 65                                                         | 62                                                        | 49                                                         | 85                                                     | 43                                                     | 72                                                       | 88                                                       | 83                                                       | 108                                                      | 104                                                      |
| 395                   | 184                  | 57                   | 65                                                         | 64                                                        | 49                                                         | 86                                                     | 41                                                     | 65                                                       | 83                                                       | 80                                                       | 93                                                       | 97                                                       |
| 396                   | 184                  | 18                   | 66                                                         | 64                                                        | 49                                                         | 86                                                     | 43                                                     | 63                                                       | 79                                                       | 75                                                       | 93                                                       | 91                                                       |
| 397                   | 184                  | 40                   | 64                                                         | 64                                                        | 49                                                         | 87                                                     | 44                                                     | 64                                                       | 77                                                       | 74                                                       | 92                                                       | 91                                                       |
| 398                   | 184                  | 61                   | 64                                                         | 64                                                        | 49                                                         | 87                                                     | 46                                                     | 63                                                       | 75                                                       | 74                                                       | 98                                                       | 89                                                       |
| 399                   | 184                  | 82                   | 64                                                         | 64                                                        | 49                                                         | 87                                                     | 45                                                     | 61                                                       | 72                                                       | 69                                                       | 84                                                       | 84                                                       |
| 400                   | 184                  | 103                  | 65                                                         | 65                                                        | 49                                                         | 87                                                     | 45                                                     | 60                                                       | 71                                                       | 69                                                       | 84                                                       | 84                                                       |
| 401                   | 184                  | 124                  | 65                                                         | 65                                                        | 49                                                         | 87                                                     | 46                                                     | 60                                                       | 67                                                       | *                                                        | *                                                        | *                                                        |
| 402                   | 184                  | 145                  | 64                                                         | 64                                                        | 48                                                         | 87                                                     | 46                                                     | 60                                                       | *                                                        | *                                                        | *                                                        | 85                                                       |
| 403                   | 184                  | 166                  | 64                                                         | 64                                                        | 48                                                         | 86                                                     | 45                                                     | 60                                                       | 79                                                       | 77                                                       | 98                                                       | 96                                                       |

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>MOUNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 8-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPRS<br>CSE<br>STG.3<br>3.86<br>DEG.C | 8-13<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>4.38<br>DEG.C | 8-15<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>3.88<br>DEG.C | 8-16<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>4.38<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 404                   | *                    | *                    | 57                                               | 65                                                        | 48                                                         | 86                                                     | 43                                                     | 72                                                       | 87                                                       | 81                                                       | 105                                                      | 102                                                      |
| 405                   | 193                  | 19                   | 59                                               | 67                                                        | 49                                                         | 87                                                     | 42                                                     | 73                                                       | 88                                                       | 82                                                       | 106                                                      | 103                                                      |
| 406                   | 193                  | 40                   | 71                                               | 67                                                        | 52                                                         | 88                                                     | 43                                                     | 71                                                       | 89                                                       | 89                                                       | 106                                                      | 101                                                      |
| 407                   | 194                  | 2                    | 73                                               | 66                                                        | 55                                                         | 87                                                     | 43                                                     | 70                                                       | 87                                                       | 77                                                       | 104                                                      | 97                                                       |
| 408                   | 194                  | 23                   | 75                                               | 66                                                        | 57                                                         | 87                                                     | 43                                                     | 69                                                       | 85                                                       | 76                                                       | 103                                                      | 96                                                       |
| 409                   | 194                  | 45                   | 75                                               | 65                                                        | 60                                                         | 86                                                     | 43                                                     | 69                                                       | 85                                                       | 75                                                       | 102                                                      | 94                                                       |
| 410                   | 194                  | 6                    | 76                                               | 66                                                        | 62                                                         | 85                                                     | 43                                                     | 69                                                       | 83                                                       | 75                                                       | 101                                                      | 94                                                       |
| 411                   | 195                  | 28                   | 77                                               | 65                                                        | 64                                                         | 85                                                     | 41                                                     | 67                                                       | 84                                                       | 76                                                       | 102                                                      | 95                                                       |
| 412                   | 195                  | 49                   | 77                                               | 65                                                        | 64                                                         | 83                                                     | 41                                                     | 68                                                       | 84                                                       | 74                                                       | 101                                                      | 93                                                       |
| 413                   | 196                  | 10                   | 78                                               | 65                                                        | 66                                                         | 84                                                     | 41                                                     | 68                                                       | 84                                                       | 74                                                       | 101                                                      | 93                                                       |
| 414                   | 196                  | 32                   | 78                                               | 66                                                        | 67                                                         | 83                                                     | 41                                                     | 68                                                       | 83                                                       | 74                                                       | 101                                                      | 94                                                       |
| 415                   | 196                  | 53                   | 79                                               | 66                                                        | 68                                                         | 84                                                     | 40                                                     | 68                                                       | 84                                                       | 74                                                       | 101                                                      | 94                                                       |
| 416                   | 203                  | 55                   | 83                                               | 70                                                        | 72                                                         | 84                                                     | 40                                                     | 72                                                       | 88                                                       | 79                                                       | 105                                                      | 97                                                       |
| 417                   | 204                  | 16                   | 83                                               | 70                                                        | 72                                                         | 85                                                     | 41                                                     | 72                                                       | 89                                                       | 78                                                       | 106                                                      | 98                                                       |
| 418                   | 204                  | 37                   | 84                                               | 70                                                        | 73                                                         | 83                                                     | 40                                                     | 72                                                       | 89                                                       | 79                                                       | 106                                                      | 98                                                       |
| 419                   | 209                  | 37                   | 83                                               | 71                                                        | 74                                                         | 86                                                     | 40                                                     | *                                                        | *                                                        | *                                                        | *                                                        | *                                                        |
| 420                   | 209                  | 58                   | *                                                | *                                                         | *                                                          | *                                                      | *                                                      | *                                                        | *                                                        | *                                                        | *                                                        | *                                                        |
| 421                   | *                    | *                    | 85                                               | 72                                                        | 76                                                         | 87                                                     | 43                                                     | 77                                                       | 92                                                       | 82                                                       | 109                                                      | 101                                                      |
| 422                   | 210                  | 48                   | 85                                               | 72                                                        | 76                                                         | 88                                                     | 43                                                     | 77                                                       | 92                                                       | 82                                                       | 109                                                      | 101                                                      |
| 423                   | 211                  | 1                    | 85                                               | 73                                                        | 77                                                         | 87                                                     | 43                                                     | 77                                                       | 90                                                       | 82                                                       | 108                                                      | 99                                                       |
| 424                   | 211                  | 22                   | 86                                               | 73                                                        | 78                                                         | 88                                                     | 43                                                     | 77                                                       | 91                                                       | 82                                                       | 108                                                      | 99                                                       |
| 425                   | 212                  | 36                   | 86                                               | 75                                                        | 80                                                         | 88                                                     | 43                                                     | 82                                                       | 98                                                       | 87                                                       | 117                                                      | 108                                                      |
| 426                   | 212                  | 59                   | 87                                               | 75                                                        | 80                                                         | 92                                                     | 42                                                     | 83                                                       | 100                                                      | 89                                                       | 120                                                      | 111                                                      |
| 427                   | 213                  | 21                   | 17                                               | 75                                                        | 80                                                         | 94                                                     | 42                                                     | 83                                                       | 100                                                      | 89                                                       | 122                                                      | 112                                                      |
| 428                   | 213                  | 42                   | 88                                               | 76                                                        | 80                                                         | 94                                                     | 42                                                     | 84                                                       | 101                                                      | 89                                                       | 122                                                      | 113                                                      |
| 429                   | 214                  | 4                    | 89                                               | 77                                                        | 80                                                         | 95                                                     | 41                                                     | 84                                                       | 101                                                      | 90                                                       | 122                                                      | 112                                                      |
| 430                   | 214                  | 25                   | 91                                               | 78                                                        | 82                                                         | 96                                                     | 42                                                     | 84                                                       | 100                                                      | 90                                                       | 121                                                      | 112                                                      |
| 431                   | 214                  | 47                   | 91                                               | 78                                                        | 83                                                         | 96                                                     | 43                                                     | 83                                                       | 99                                                       | 89                                                       | 120                                                      | 111                                                      |
| 432                   | 215                  | 8                    | 92                                               | 79                                                        | 83                                                         | 97                                                     | 42                                                     | 81                                                       | 98                                                       | 86                                                       | 118                                                      | *                                                        |
| 433                   | 215                  | 23                   | 92                                               | 79                                                        | 83                                                         | *                                                      | *                                                      | *                                                        | *                                                        | *                                                        | 121                                                      | 111                                                      |
| 434                   | 215                  | 51                   | 92                                               | 80                                                        | 82                                                         | 98                                                     | 42                                                     | 84                                                       | 101                                                      | 88                                                       | 122                                                      | 113                                                      |
| 435                   | 216                  | 9                    | 91                                               | 80                                                        | 82                                                         | 96                                                     | 42                                                     | 84                                                       | 101                                                      | 90                                                       | 122                                                      | 113                                                      |
| 436                   | 216                  | 34                   | 92                                               | 80                                                        | 82                                                         | 99                                                     | 43                                                     | 83                                                       | 102                                                      | 90                                                       | 121                                                      | 113                                                      |
| 437                   | 217                  | 55                   | 93                                               | 80                                                        | 83                                                         | 97                                                     | 43                                                     | 82                                                       | 99                                                       | 88                                                       | 120                                                      | 109                                                      |
| 438                   | 217                  | 17                   | 92                                               | 81                                                        | 81                                                         | 98                                                     | 42                                                     | 84                                                       | 100                                                      | 90                                                       | 122                                                      | 112                                                      |
| 439                   | 217                  | 38                   | 93                                               | 80                                                        | 81                                                         | 99                                                     | 41                                                     | 84                                                       | 101                                                      | 90                                                       | 122                                                      | 113                                                      |
| 440                   | 218                  | 0                    | 93                                               | 82                                                        | 83                                                         | 98                                                     | 43                                                     | 82                                                       | 100                                                      | 89                                                       | 121                                                      | 112                                                      |
| 441                   | 218                  | 21                   | 93                                               | 81                                                        | 82                                                         | 97                                                     | 41                                                     | 84                                                       | 100                                                      | 89                                                       | 121                                                      | 111                                                      |
| 442                   | 218                  | 43                   | 94                                               | 81                                                        | 82                                                         | 97                                                     | 41                                                     | 84                                                       | 100                                                      | 89                                                       | 121                                                      | 111                                                      |
| 443                   | 219                  | 1                    | 94                                               | 81                                                        | 82                                                         | 99                                                     | 42                                                     | 83                                                       | 102                                                      | 91                                                       | 123                                                      | 113                                                      |
| 444                   | 219                  | 25                   | 95                                               | 80                                                        | 82                                                         | 99                                                     | 43                                                     | 81                                                       | 101                                                      | 90                                                       | 122                                                      | 112                                                      |
| 445                   | 219                  | 47                   | 95                                               | 81                                                        | 82                                                         | 99                                                     | 43                                                     | 84                                                       | 101                                                      | 90                                                       | 122                                                      | 112                                                      |
| 446                   | 220                  | 8                    | 92                                               | 81                                                        | 81                                                         | 97                                                     | 41                                                     | 83                                                       | 102                                                      | 90                                                       | 123                                                      | 113                                                      |
| 447                   | 220                  | 30                   | 96                                               | 81                                                        | 81                                                         | 99                                                     | 41                                                     | 85                                                       | 102                                                      | 91                                                       | 123                                                      | 114                                                      |
| 448                   | 220                  | 52                   | 94                                               | 82                                                        | 82                                                         | 100                                                    | 43                                                     | 84                                                       | 101                                                      | 91                                                       | 122                                                      | 113                                                      |
| 449                   | 221                  | 13                   | 94                                               | 82                                                        | 83                                                         | 101                                                    | 43                                                     | 86                                                       | 102                                                      | 92                                                       | 124                                                      | 113                                                      |
| 450                   | 221                  | 35                   | 94                                               | 82                                                        | 83                                                         | 101                                                    | 43                                                     | 86                                                       | 102                                                      | 91                                                       | 124                                                      | 113                                                      |
| 451                   | 221                  | 56                   | 96                                               | 82                                                        | 84                                                         | 100                                                    | 43                                                     | 86                                                       | 102                                                      | 90                                                       | 123                                                      | 113                                                      |
| 452                   | 222                  | 18                   | 96                                               | 82                                                        | 85                                                         | 101                                                    | 43                                                     | 83                                                       | 102                                                      | 91                                                       | 123                                                      | 114                                                      |
| 453                   | 222                  | 39                   | 96                                               | 83                                                        | 85                                                         | 99                                                     | 44                                                     | 82                                                       | 100                                                      | 90                                                       | 121                                                      | 111                                                      |

| -01<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 8-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 8-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 8-15<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DEG.C | 8-16<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>4.30<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 454                   | 223                  | 0                    | 95                                                         | 82                                                        | 84                                                         | 99                                                     | 43                                                     | 82                                                      | 99                                                      | 84                                                      | 118                                                     | 109                                                     |
| 455                   | 223                  | 22                   | 94                                                         | 82                                                        | 84                                                         | 97                                                     | 43                                                     | 84                                                      | 99                                                      | 89                                                      | 119                                                     | 109                                                     |
| 456                   | 223                  | 43                   | 94                                                         | 82                                                        | 84                                                         | 100                                                    | 43                                                     | 82                                                      | 99                                                      | 89                                                      | 119                                                     | 109                                                     |
| 457                   | 224                  | 5                    | 95                                                         | 82                                                        | 83                                                         | 99                                                     | 43                                                     | 82                                                      | 98                                                      | 87                                                      | 119                                                     | 109                                                     |
| 458                   | 224                  | 5                    | 95                                                         | 82                                                        | 84                                                         | 97                                                     | 44                                                     | 82                                                      | 99                                                      | 89                                                      | 119                                                     | 109                                                     |
| 459                   | 224                  | 48                   | 95                                                         | 82                                                        | 83                                                         | 98                                                     | 44                                                     | 82                                                      | 98                                                      | 89                                                      | 119                                                     | 109                                                     |
| 460                   | 225                  | 10                   | 96                                                         | 82                                                        | 83                                                         | 98                                                     | 43                                                     | 80                                                      | 98                                                      | 87                                                      | 118                                                     | 109                                                     |
| 461                   | 225                  | 31                   | 94                                                         | 82                                                        | 84                                                         | 98                                                     | 43                                                     | 80                                                      | 96                                                      | 86                                                      | 114                                                     | 105                                                     |
| 462                   | 225                  | 53                   | 95                                                         | 83                                                        | 84                                                         | 96                                                     | 43                                                     | 80                                                      | 96                                                      | 87                                                      | 115                                                     | 106                                                     |
| 463                   | 226                  | 15                   | 96                                                         | 82                                                        | 84                                                         | 96                                                     | 43                                                     | 80                                                      | 96                                                      | 86                                                      | 114                                                     | 106                                                     |
| 464                   | 226                  | 15                   | 96                                                         | 82                                                        | 84                                                         | 96                                                     | 43                                                     | 80                                                      | 96                                                      | 86                                                      | 114                                                     | 106                                                     |
| 465                   | 226                  | 58                   | 96                                                         | 82                                                        | 84                                                         | 96                                                     | 43                                                     | 80                                                      | 96                                                      | 85                                                      | 114                                                     | 104                                                     |
| 466                   | 227                  | 20                   | 96                                                         | 83                                                        | 85                                                         | 96                                                     | 43                                                     | 80                                                      | 96                                                      | 87                                                      | 114                                                     | 106                                                     |
| 467                   | 227                  | 42                   | 96                                                         | 83                                                        | 85                                                         | 96                                                     | 43                                                     | 80                                                      | 96                                                      | 87                                                      | 114                                                     | 106                                                     |
| 468                   | 228                  | 3                    | 95                                                         | 82                                                        | 84                                                         | 96                                                     | 44                                                     | 80                                                      | 96                                                      | 85                                                      | 114                                                     | 106                                                     |
| 469                   | 228                  | 25                   | 95                                                         | 83                                                        | 84                                                         | 96                                                     | 44                                                     | 80                                                      | 96                                                      | 85                                                      | 114                                                     | 106                                                     |
| 470                   | 228                  | 47                   | 94                                                         | 82                                                        | 84                                                         | 96                                                     | 44                                                     | 80                                                      | 95                                                      | 85                                                      | 113                                                     | 103                                                     |
| 471                   | 229                  | 9                    | 94                                                         | 82                                                        | 84                                                         | 95                                                     | 44                                                     | 80                                                      | 95                                                      | 84                                                      | 112                                                     | 102                                                     |
| 472                   | 229                  | 30                   | 94                                                         | 82                                                        | 84                                                         | 94                                                     | 44                                                     | 80                                                      | 94                                                      | 83                                                      | 112                                                     | 102                                                     |
| 473                   | 229                  | 52                   | 93                                                         | 83                                                        | 83                                                         | 94                                                     | 44                                                     | 79                                                      | 94                                                      | 84                                                      | 112                                                     | 103                                                     |
| 474                   | 230                  | 14                   | 94                                                         | 82                                                        | 83                                                         | 95                                                     | 44                                                     | 79                                                      | 94                                                      | 84                                                      | 112                                                     | 103                                                     |
| 475                   | 230                  | 35                   | 93                                                         | 81                                                        | 82                                                         | 93                                                     | 44                                                     | 76                                                      | 92                                                      | 82                                                      | 109                                                     | 100                                                     |
| 476                   | 230                  | 57                   | 95                                                         | 82                                                        | 82                                                         | 92                                                     | 45                                                     | 63                                                      | 77                                                      | 64                                                      | 84                                                      | 79                                                      |
| 477                   | 231                  | 18                   | 94                                                         | 82                                                        | 81                                                         | 89                                                     | 46                                                     | 61                                                      | 68                                                      | 62                                                      | 73                                                      | 70                                                      |
| 478                   | 231                  | 40                   | 92                                                         | 82                                                        | 80                                                         | 87                                                     | 49                                                     | 59                                                      | 66                                                      | 59                                                      | 68                                                      | 67                                                      |
| 479                   | 232                  | 1                    | 91                                                         | 80                                                        | 78                                                         | 85                                                     | 48                                                     | 59                                                      | 65                                                      | 59                                                      | 68                                                      | 65                                                      |
| 480                   | 232                  | 22                   | 90                                                         | 80                                                        | 78                                                         | 83                                                     | 48                                                     | 59                                                      | 65                                                      | 59                                                      | 68                                                      | 65                                                      |
| 481                   | 232                  | 44                   | 87                                                         | 78                                                        | 76                                                         | 81                                                     | 48                                                     | 58                                                      | 63                                                      | 58                                                      | 67                                                      | 64                                                      |
| 482                   | 233                  | 5                    | 86                                                         | 78                                                        | 75                                                         | 80                                                     | 49                                                     | 58                                                      | 63                                                      | 57                                                      | 67                                                      | 64                                                      |
| 483                   | 233                  | 27                   | 85                                                         | 77                                                        | 74                                                         | 79                                                     | 49                                                     | 58                                                      | 63                                                      | 57                                                      | 66                                                      | 64                                                      |
| 484                   | 233                  | 48                   | 82                                                         | 76                                                        | 74                                                         | 78                                                     | 49                                                     | 58                                                      | 63                                                      | 58                                                      | 65                                                      | 63                                                      |
| 485                   | 234                  | 10                   | 82                                                         | 75                                                        | 72                                                         | 77                                                     | 50                                                     | 58                                                      | 62                                                      | 57                                                      | 65                                                      | 63                                                      |
| 486                   | 234                  | 32                   | 81                                                         | 75                                                        | 72                                                         | 75                                                     | 50                                                     | 58                                                      | 62                                                      | 57                                                      | 65                                                      | 63                                                      |
| 487                   | 234                  | 53                   | 81                                                         | 74                                                        | 71                                                         | 76                                                     | 51                                                     | 58                                                      | 62                                                      | 57                                                      | 65                                                      | 63                                                      |
| 488                   | 235                  | 15                   | 80                                                         | 73                                                        | 70                                                         | 74                                                     | 50                                                     | 58                                                      | 62                                                      | 57                                                      | 65                                                      | 63                                                      |
| 489                   | 235                  | 37                   | 80                                                         | 72                                                        | 70                                                         | 73                                                     | 50                                                     | 58                                                      | 62                                                      | 57                                                      | 65                                                      | 63                                                      |
| 490                   | 235                  | 58                   | 78                                                         | 72                                                        | 70                                                         | 74                                                     | 50                                                     | 63                                                      | 69                                                      | 63                                                      | 79                                                      | 75                                                      |
| 491                   | 236                  | 20                   | 78                                                         | 71                                                        | 68                                                         | 75                                                     | 50                                                     | 65                                                      | 72                                                      | 65                                                      | 82                                                      | 78                                                      |
| 492                   | 236                  | 41                   | 76                                                         | 70                                                        | 67                                                         | 76                                                     | 50                                                     | 66                                                      | 74                                                      | 67                                                      | 84                                                      | 79                                                      |
| 493                   | 237                  | 75                   | 76                                                         | 69                                                        | 66                                                         | 76                                                     | 49                                                     | 67                                                      | 76                                                      | 67                                                      | 87                                                      | 80                                                      |
| 494                   | 237                  | 95                   | 76                                                         | 69                                                        | 65                                                         | 77                                                     | 49                                                     | 65                                                      | 75                                                      | 68                                                      | 87                                                      | 80                                                      |
| 495                   | 238                  | 0                    | 75                                                         | 69                                                        | 65                                                         | 78                                                     | 49                                                     | 66                                                      | 75                                                      | 66                                                      | 87                                                      | 80                                                      |
| 496                   | 238                  | 23                   | 75                                                         | 68                                                        | 65                                                         | 78                                                     | 49                                                     | 66                                                      | 75                                                      | 66                                                      | 87                                                      | 80                                                      |
| 497                   | 238                  | 45                   | 74                                                         | 68                                                        | 64                                                         | 78                                                     | 50                                                     | 65                                                      | 75                                                      | 67                                                      | 86                                                      | 80                                                      |
| 498                   | 239                  | 11                   | 74                                                         | 68                                                        | 64                                                         | 78                                                     | 50                                                     | 65                                                      | 75                                                      | 67                                                      | 86                                                      | 80                                                      |
| 499                   | 239                  | 34                   | 74                                                         | 67                                                        | 64                                                         | 79                                                     | 48                                                     | 68                                                      | 77                                                      | 69                                                      | 88                                                      | 82                                                      |
| 500                   | 239                  | 57                   | 74                                                         | 67                                                        | 64                                                         | 80                                                     | 48                                                     | 67                                                      | 77                                                      | 69                                                      | 89                                                      | 82                                                      |
| 501                   | 240                  | 1                    | 74                                                         | 67                                                        | 64                                                         | 80                                                     | 48                                                     | 67                                                      | 77                                                      | 69                                                      | 89                                                      | 82                                                      |
| 502                   | 240                  | 24                   | 74                                                         | 67                                                        | 64                                                         | 80                                                     | 48                                                     | 67                                                      | 77                                                      | 69                                                      | 89                                                      | 82                                                      |
| 503                   | 240                  | 47                   | 74                                                         | 67                                                        | 64                                                         | 80                                                     | 48                                                     | 67                                                      | 77                                                      | 69                                                      | 89                                                      | 82                                                      |
| 504                   | 240                  | 70                   | 74                                                         | 67                                                        | 64                                                         | 80                                                     | 48                                                     | 67                                                      | 77                                                      | 69                                                      | 89                                                      | 82                                                      |
| 505                   | 240                  | 93                   | 74                                                         | 67                                                        | 64                                                         | 80                                                     | 48                                                     | 67                                                      | 77                                                      | 69                                                      | 89                                                      | 82                                                      |

| -01<br>SWEET<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOJNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 8-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 8-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 8-15<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DEG.C | 8-16<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>4.30<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 504                   | 241                  | 1                    | 73                                                         | 67                                                        | 64                                                         | 81                                                     | 48                                                     | 69                                                      | 79                                                      | 70                                                      | 92                                                      | 84                                                      |
| 505                   | 241                  | 23                   | 74                                                         | 67                                                        | 65                                                         | 81                                                     | 48                                                     | 74                                                      | 83                                                      | 75                                                      | 92                                                      | 92                                                      |
| 506                   | 241                  | 45                   | 75                                                         | 67                                                        | 67                                                         | 82                                                     | 47                                                     | 74                                                      | 86                                                      | 77                                                      | 101                                                     | 93                                                      |
| 507                   | 242                  | 7                    | 76                                                         | 68                                                        | 69                                                         | 82                                                     | 47                                                     | 74                                                      | 86                                                      | 77                                                      | 101                                                     | 93                                                      |
| 508                   | 242                  | 20                   | 77                                                         | 69                                                        | 70                                                         | 84                                                     | 46                                                     | 74                                                      | 87                                                      | 80                                                      | 102                                                     | 94                                                      |
| 509                   | 242                  | 50                   | 78                                                         | 69                                                        | 71                                                         | 84                                                     | 46                                                     | 78                                                      | 90                                                      | 81                                                      | 107                                                     | 98                                                      |
| 510                   | 243                  | 11                   | 80                                                         | 69                                                        | 71                                                         | 85                                                     | 46                                                     | 80                                                      | 92                                                      | 83                                                      | 109                                                     | 101                                                     |
| 511                   | 243                  | 33                   | 82                                                         | 70                                                        | 73                                                         | 86                                                     | 46                                                     | 80                                                      | 92                                                      | 83                                                      | 109                                                     | 101                                                     |
| 512                   | 243                  | 54                   | 84                                                         | 71                                                        | 75                                                         | 87                                                     | 45                                                     | 80                                                      | 95                                                      | 85                                                      | 112                                                     | 104                                                     |
| 513                   | 244                  | 16                   | 84                                                         | 72                                                        | 76                                                         | 87                                                     | 46                                                     | 81                                                      | 95                                                      | 86                                                      | 112                                                     | 104                                                     |
| 514                   | 244                  | 37                   | 86                                                         | 73                                                        | 77                                                         | 89                                                     | 45                                                     | 80                                                      | 95                                                      | 85                                                      | 112                                                     | 104                                                     |
| 515                   | 244                  | 59                   | 87                                                         | 74                                                        | 78                                                         | 89                                                     | 45                                                     | 9                                                       | 95                                                      | 85                                                      | 112                                                     | 104                                                     |
| 516                   | 245                  | 20                   | 87                                                         | 74                                                        | 80                                                         | 89                                                     | 45                                                     | 79                                                      | 93                                                      | 83                                                      | 109                                                     | 102                                                     |
| 517                   | 245                  | 42                   | 87                                                         | 75                                                        | 80                                                         | 89                                                     | 46                                                     | 79                                                      | 92                                                      | 84                                                      | 109                                                     | 100                                                     |
| 518                   | 246                  | 3                    | 88                                                         | 76                                                        | 80                                                         | 89                                                     | 46                                                     | 80                                                      | 94                                                      | 85                                                      | 112                                                     | 103                                                     |
| 519                   | 246                  | 25                   | 90                                                         | 77                                                        | 80                                                         | 88                                                     | 45                                                     | 80                                                      | 96                                                      | 87                                                      | 113                                                     | 103                                                     |
| 520                   | 246                  | 47                   | 90                                                         | 78                                                        | 80                                                         | 88                                                     | 45                                                     | 82                                                      | 96                                                      | 87                                                      | 113                                                     | 103                                                     |
| 521                   | 247                  | 8                    | 90                                                         | 77                                                        | 81                                                         | 90                                                     | 45                                                     | 82                                                      | 96                                                      | 87                                                      | 113                                                     | 103                                                     |
| 522                   | 247                  | 30                   | 91                                                         | 77                                                        | 81                                                         | 89                                                     | 46                                                     | 82                                                      | 97                                                      | 87                                                      | 113                                                     | 106                                                     |
| 523                   | 248                  | 13                   | 92                                                         | 78                                                        | 82                                                         | 91                                                     | 46                                                     | 82                                                      | 96                                                      | 87                                                      | 113                                                     | 105                                                     |
| 524                   | 248                  | 34                   | 93                                                         | 79                                                        | 83                                                         | 92                                                     | 46                                                     | 82                                                      | 97                                                      | 88                                                      | 113                                                     | 106                                                     |
| 525                   | 248                  | 56                   | 92                                                         | 79                                                        | 82                                                         | 92                                                     | 46                                                     | 78                                                      | 96                                                      | 86                                                      | 113                                                     | 104                                                     |
| 526                   | 249                  | 17                   | 92                                                         | 80                                                        | 77                                                         | 92                                                     | 46                                                     | 74                                                      | 87                                                      | 85                                                      | 110                                                     | 100                                                     |
| 527                   | 249                  | 39                   | 93                                                         | 80                                                        | 77                                                         | 91                                                     | 46                                                     | 74                                                      | 87                                                      | 79                                                      | 102                                                     | 94                                                      |
| 528                   | 249                  | 0                    | 93                                                         | 76                                                        | 67                                                         | 95                                                     | 49                                                     | 69                                                      | 82                                                      | 74                                                      | 91                                                      | 88                                                      |
| 529                   | 250                  | 22                   | 93                                                         | 75                                                        | 63                                                         | 93                                                     | 48                                                     | 72                                                      | 82                                                      | 76                                                      | 94                                                      | 89                                                      |
| 530                   | 250                  | 43                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 72                                                      | 82                                                      | 76                                                      | 94                                                      | 89                                                      |
| 531                   | 250                  | 5                    | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 90                                                      |
| 532                   | 251                  | 27                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 533                   | 251                  | 48                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 534                   | 251                  | 10                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 535                   | 252                  | 31                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 536                   | 252                  | 52                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 537                   | 253                  | 15                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 538                   | 253                  | 36                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 539                   | 254                  | 20                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 540                   | 254                  | 42                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 541                   | 254                  | 3                    | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 542                   | 255                  | 25                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 543                   | 255                  | 47                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |
| 544                   | 255                  | 68                   | 94                                                         | 75                                                        | 64                                                         | 93                                                     | 48                                                     | 70                                                      | 81                                                      | 76                                                      | 93                                                      | 89                                                      |

HP-53C S/N 66-10354  
DESERT TEST  
21 JUNE 1971  
RUN NO. 2

| -01<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-18<br>ENG.2<br>COMPS<br>CSE<br>SIG.4<br>9.00<br>DEG.C | 8-20<br>ENG.2<br>COMPS<br>CSE<br>SIG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPS<br>CSE<br>SIG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS CM<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.08<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>0.88<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 308                   | 141                  | 18                   | *                                                       | 48                                                      | 41                                                      | 66                                                       | 35                                                      | 37                                                       | 59                                                      | 67                                                      | 88                                                       |
| 309                   | 141                  | 39                   | 44                                                      | 42                                                      | 45                                                      | 103                                                      | 35                                                      | 56                                                       | 71                                                      | 85                                                      | 114                                                      |
| 310                   | 142                  | 1                    | 48                                                      | 45                                                      | 51                                                      | 175                                                      | 36                                                      | 50                                                       | 100                                                     | 119                                                     | 145                                                      |
| 311                   | 142                  | 22                   | 52                                                      | 51                                                      | 72                                                      | 247                                                      | 36                                                      | 50                                                       | 136                                                     | 162                                                     | 186                                                      |
| 312                   | 142                  | 44                   | 77                                                      | 71                                                      | 93                                                      | 298                                                      | 35                                                      | 51                                                       | 170                                                     | 204                                                     | 224                                                      |
| 313                   | 143                  | 5                    | 96                                                      | 89                                                      | 93                                                      | 318                                                      | 36                                                      | 55                                                       | 204                                                     | 240                                                     | 256                                                      |
| 314                   | 143                  | 27                   | 110                                                     | 99                                                      | 106                                                     | 332                                                      | 35                                                      | 56                                                       | 255                                                     | 267                                                     | 282                                                      |
| 315                   | 143                  | 48                   | 116                                                     | 106                                                     | 114                                                     | 333                                                      | 36                                                      | 58                                                       | 287                                                     | 297                                                     | 305                                                      |
| 316                   | 144                  | 9                    | 118                                                     | 105                                                     | 114                                                     | 329                                                      | 35                                                      | 59                                                       | 279                                                     | 304                                                     | 309                                                      |
| 317                   | 144                  | 31                   | 114                                                     | 101                                                     | 114                                                     | 326                                                      | 35                                                      | 59                                                       | 287                                                     | 310                                                     | 311                                                      |
| 318                   | 144                  | 52                   | 112                                                     | 98                                                      | 112                                                     | 325                                                      | 36                                                      | 62                                                       | 294                                                     | 313                                                     | 313                                                      |
| 319                   | *                    | *                    | 111                                                     | 98                                                      | 109                                                     | 324                                                      | 35                                                      | 60                                                       | *                                                       | 315                                                     | 315                                                      |
| 320                   | 145                  | 35                   | 109                                                     | 97                                                      | 108                                                     | 326                                                      | 36                                                      | 61                                                       | 302                                                     | 314                                                     | 320                                                      |
| 321                   | 145                  | 56                   | *                                                       | 97                                                      | 109                                                     | 332                                                      | 36                                                      | 64                                                       | 306                                                     | 316                                                     | 320                                                      |
| 322                   | 146                  | 17                   | 110                                                     | 97                                                      | 110                                                     | 332                                                      | 36                                                      | 63                                                       | 311                                                     | 320                                                     | 325                                                      |
| 323                   | 146                  | 38                   | 111                                                     | 97                                                      | 110                                                     | 330                                                      | 36                                                      | 63                                                       | 315                                                     | 321                                                     | 326                                                      |
| 324                   | 147                  | 21                   | 111                                                     | 98                                                      | 111                                                     | 330                                                      | 36                                                      | 64                                                       | 313                                                     | 320                                                     | 338                                                      |
| 325                   | 147                  | 42                   | 111                                                     | 98                                                      | 111                                                     | 357                                                      | 35                                                      | 64                                                       | 324                                                     | 336                                                     | 365                                                      |
| 326                   | 148                  | 4                    | 113                                                     | 103                                                     | 113                                                     | 399                                                      | 35                                                      | 64                                                       | 352                                                     | 357                                                     | 371                                                      |
| 327                   | 148                  | 25                   | 126                                                     | 111                                                     | 121                                                     | 425                                                      | 35                                                      | 63                                                       | 371                                                     | 371                                                     | 425                                                      |
| 328                   | 148                  | 46                   | 134                                                     | 116                                                     | 129                                                     | 431                                                      | 34                                                      | 61                                                       | 374                                                     | 379                                                     | 442                                                      |
| 329                   | 149                  | 8                    | 134                                                     | 113                                                     | 129                                                     | 431                                                      | 35                                                      | 59                                                       | 379                                                     | 384                                                     | 451                                                      |
| 330                   | 149                  | 29                   | 132                                                     | 103                                                     | 125                                                     | 433                                                      | 34                                                      | 58                                                       | 384                                                     | 386                                                     | 456                                                      |
| 331                   | 149                  | 50                   | 133                                                     | 106                                                     | 124                                                     | 430                                                      | 34                                                      | 59                                                       | 389                                                     | 390                                                     | 463                                                      |
| 332                   | 149                  | 50                   | 133                                                     | 104                                                     | 119                                                     | 430                                                      | 34                                                      | 59                                                       | 393                                                     | 395                                                     | 471                                                      |
| 333                   | *                    | 33                   | 133                                                     | 104                                                     | 118                                                     | 436                                                      | 34                                                      | 59                                                       | *                                                       | *                                                       | *                                                        |
| 334                   | 150                  | 33                   | 133                                                     | 104                                                     | 118                                                     | 436                                                      | 34                                                      | 59                                                       | 400                                                     | 399                                                     | 477                                                      |
| 335                   | 150                  | 54                   | 133                                                     | 106                                                     | 119                                                     | 436                                                      | 31                                                      | 58                                                       | 403                                                     | 402                                                     | 478                                                      |
| 336                   | 151                  | 15                   | 133                                                     | 104                                                     | 119                                                     | 437                                                      | 29                                                      | 56                                                       | 406                                                     | 403                                                     | 479                                                      |
| 337                   | 151                  | 37                   | 133                                                     | 104                                                     | 119                                                     | 439                                                      | 29                                                      | 57                                                       | 407                                                     | 404                                                     | 480                                                      |
| 338                   | 151                  | 58                   | 133                                                     | 104                                                     | 119                                                     | 439                                                      | 27                                                      | 56                                                       | 410                                                     | 404                                                     | 481                                                      |
| 339                   | 152                  | 20                   | 131                                                     | 104                                                     | 119                                                     | 436                                                      | 27                                                      | 56                                                       | 413                                                     | 407                                                     | 482                                                      |
| 340                   | 152                  | 41                   | 131                                                     | 104                                                     | 119                                                     | 436                                                      | 25                                                      | 57                                                       | 413                                                     | 406                                                     | 481                                                      |
| 341                   | 153                  | 2                    | 130                                                     | 103                                                     | 118                                                     | 438                                                      | 26                                                      | 55                                                       | 413                                                     | 405                                                     | 481                                                      |
| 342                   | 153                  | 24                   | 130                                                     | 104                                                     | 118                                                     | 437                                                      | 26                                                      | 55                                                       | 412                                                     | 405                                                     | 480                                                      |
| 343                   | 153                  | 45                   | 129                                                     | 103                                                     | 116                                                     | 436                                                      | 24                                                      | 54                                                       | 413                                                     | 405                                                     | 478                                                      |
| 344                   | 154                  | 6                    | 130                                                     | 101                                                     | 115                                                     | 435                                                      | 23                                                      | 54                                                       | 413                                                     | 404                                                     | 477                                                      |
| 345                   | 154                  | 28                   | 130                                                     | 100                                                     | 115                                                     | 434                                                      | 23                                                      | 54                                                       | 412                                                     | 403                                                     | 476                                                      |
| 346                   | 154                  | 49                   | 128                                                     | 100                                                     | 115                                                     | 434                                                      | 23                                                      | 54                                                       | 412                                                     | 403                                                     | 477                                                      |
| 347                   | 155                  | 10                   | 128                                                     | 99                                                      | 115                                                     | 434                                                      | 21                                                      | 53                                                       | 412                                                     | 403                                                     | 477                                                      |
| 348                   | 155                  | 32                   | 129                                                     | 99                                                      | 114                                                     | 432                                                      | 22                                                      | 53                                                       | 412                                                     | 403                                                     | 477                                                      |
| 349                   | 155                  | 53                   | 127                                                     | 98                                                      | 113                                                     | 432                                                      | 22                                                      | 53                                                       | 412                                                     | 403                                                     | 476                                                      |
| 350                   | 155                  | 53                   | 129                                                     | 98                                                      | 112                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 403                                                     | 477                                                      |
| 351                   | 156                  | 14                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 352                   | 156                  | 35                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 353                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 354                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 355                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 356                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 357                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 358                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 359                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 360                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 361                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 362                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 363                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 364                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 365                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 366                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 367                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 368                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 369                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 370                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 371                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 372                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 373                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 374                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 375                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 376                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 377                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 378                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 379                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 380                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 381                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 382                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 383                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 384                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 385                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 386                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 387                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 388                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 389                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 390                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 391                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 392                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 393                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 394                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 395                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 396                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 397                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 398                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 399                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 400                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 401                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 402                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 403                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 404                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 405                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 406                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 407                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 408                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 409                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 410                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 411                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 412                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 413                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 414                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 415                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 416                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 417                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 418                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 419                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 420                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 421                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 422                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 423                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 424                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 425                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 426                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 427                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 428                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 429                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
| 430                   | 156                  | 57                   | 129                                                     | 98                                                      | 113                                                     | 434                                                      | 23                                                      | 52                                                       | 413                                                     | 404                                                     | 477                                                      |
|                       |                      |                      |                                                         |                                                         |                                                         |                                                          |                                                         |                                                          |                                                         |                                                         |                                                          |



| -01<br>SHEET<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-18<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>9.00<br>DEG.C | 8-20<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS GM<br>TURB<br>CASE<br>AIR<br>OUTLET<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>AIR<br>INLET<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>AIR<br>INLET<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>AIR<br>INLET<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 354                   | *                    | *                    | 127                                                      | 96                                                       | 110                                                      | 428                                                               | 22                                                      | 50                                                       | 411                                                             | 403                                                             | 474                                                             |
| 355                   | 1.03                 | 19                   | 127                                                      | 95                                                       | 109                                                      | 429                                                               | 22                                                      | 51                                                       | 410                                                             | 401                                                             | 473                                                             |
| 356                   | 1.58                 | 22                   | 126                                                      | 95                                                       | 109                                                      | 430                                                               | 23                                                      | 50                                                       | 408                                                             | 400                                                             | 472                                                             |
| 357                   | 1.61                 | 32                   | 128                                                      | 97                                                       | 111                                                      | 437                                                               | 20                                                      | 58                                                       | 418                                                             | 404                                                             | 484                                                             |
| 358                   | 1.85                 | 14                   | *                                                        | *                                                        | 109                                                      | 436                                                               | 19                                                      | 50                                                       | 418                                                             | 407                                                             | 486                                                             |
| 359                   | 1.66                 | 53                   | *                                                        | *                                                        | *                                                        | +                                                                 | *                                                       | 49                                                       | 419                                                             | 408                                                             | 487                                                             |
| 360                   | 1.68                 | 30                   | 120                                                      | *                                                        | *                                                        | *                                                                 | *                                                       | *                                                        | *                                                               | *                                                               | *                                                               |
| 361                   | 1.71                 | 55                   | 120                                                      | 92                                                       | 104                                                      | 411                                                               | 20                                                      | *                                                        | *                                                               | *                                                               | *                                                               |
| 362                   | 1.72                 | 16                   | 120                                                      | 90                                                       | 102                                                      | 405                                                               | 20                                                      | 48                                                       | 386                                                             | 389                                                             | 452                                                             |
| 363                   | 1.72                 | 38                   | 119                                                      | 88                                                       | 101                                                      | 402                                                               | 21                                                      | 48                                                       | 379                                                             | 388                                                             | 448                                                             |
| 364                   | 1.72                 | 59                   | 118                                                      | 89                                                       | 101                                                      | 400                                                               | 21                                                      | 48                                                       | 372                                                             | 385                                                             | 444                                                             |
| 365                   | 1.73                 | 20                   | 118                                                      | 89                                                       | 100                                                      | 398                                                               | 21                                                      | 49                                                       | 368                                                             | 382                                                             | 440                                                             |
| 366                   | 1.73                 | 41                   | 118                                                      | 89                                                       | 100                                                      | 393                                                               | 23                                                      | 49                                                       | 360                                                             | 381                                                             | 436                                                             |
| 367                   | 1.74                 | 2                    | 116                                                      | 88                                                       | 99                                                       | 391                                                               | 24                                                      | 48                                                       | 352                                                             | 376                                                             | 431                                                             |
| 368                   | 1.74                 | 23                   | 116                                                      | 88                                                       | 99                                                       | 387                                                               | 24                                                      | 48                                                       | 345                                                             | 371                                                             | 427                                                             |
| 369                   | 1.74                 | 44                   | 115                                                      | 87                                                       | 98                                                       | 385                                                               | 24                                                      | 48                                                       | 340                                                             | 367                                                             | 420                                                             |
| 370                   | 1.75                 | 5                    | 113                                                      | 86                                                       | 98                                                       | 377                                                               | 24                                                      | 48                                                       | 332                                                             | 368                                                             | 417                                                             |
| 371                   | 1.75                 | 26                   | 111                                                      | 84                                                       | 94                                                       | 370                                                               | 25                                                      | 48                                                       | 325                                                             | 361                                                             | 408                                                             |
| 372                   | 1.75                 | 47                   | 110                                                      | 82                                                       | 93                                                       | 364                                                               | 24                                                      | 47                                                       | 317                                                             | 354                                                             | 393                                                             |
| 373                   | 1.76                 | 8                    | 109                                                      | 82                                                       | 92                                                       | 363                                                               | 27                                                      | 48                                                       | 311                                                             | 347                                                             | 387                                                             |
| 374                   | 1.76                 | 29                   | 109                                                      | 83                                                       | 92                                                       | 360                                                               | 30                                                      | 50                                                       | 302                                                             | 345                                                             | 387                                                             |
| 375                   | 1.76                 | 51                   | 111                                                      | 84                                                       | 94                                                       | 364                                                               | 29                                                      | 49                                                       | 299                                                             | 341                                                             | 385                                                             |
| 376                   | 1.77                 | 12                   | 111                                                      | 85                                                       | 96                                                       | 361                                                               | 28                                                      | 49                                                       | 295                                                             | 336                                                             | 382                                                             |
| 377                   | 1.77                 | 33                   | 111                                                      | 84                                                       | 95                                                       | 358                                                               | 30                                                      | 49                                                       | 293                                                             | 331                                                             | 379                                                             |
| 378                   | 1.77                 | 54                   | 109                                                      | 84                                                       | 94                                                       | 356                                                               | 30                                                      | 50                                                       | 291                                                             | 329                                                             | 377                                                             |
| 379                   | 1.78                 | 15                   | 111                                                      | 85                                                       | 96                                                       | 350                                                               | 29                                                      | 51                                                       | 293                                                             | 326                                                             | 378                                                             |
| 380                   | 1.78                 | 36                   | 111                                                      | 87                                                       | 97                                                       | 363                                                               | 30                                                      | 51                                                       | 296                                                             | 327                                                             | 379                                                             |
| 381                   | 1.78                 | 57                   | 114                                                      | 89                                                       | 93                                                       | 372                                                               | 29                                                      | 51                                                       | 301                                                             | 332                                                             | 384                                                             |
| 382                   | 1.79                 | 18                   | 114                                                      | 90                                                       | 101                                                      | 378                                                               | 30                                                      | 51                                                       | 307                                                             | 336                                                             | 387                                                             |
| 383                   | 1.79                 | 39                   | 115                                                      | 91                                                       | 103                                                      | 379                                                               | 29                                                      | 53                                                       | 312                                                             | 344                                                             | 393                                                             |
| 384                   | 1.80                 | 1                    | 116                                                      | 93                                                       | 103                                                      | 379                                                               | 26                                                      | 53                                                       | 321                                                             | 348                                                             | 398                                                             |
| 385                   | 1.80                 | 22                   | 115                                                      | 93                                                       | 104                                                      | 380                                                               | 28                                                      | 53                                                       | 325                                                             | 350                                                             | 403                                                             |
| 386                   | 1.80                 | 44                   | 117                                                      | 93                                                       | 104                                                      | 380                                                               | 29                                                      | 53                                                       | 329                                                             | 354                                                             | 405                                                             |
| 387                   | 1.81                 | 5                    | 117                                                      | 91                                                       | 103                                                      | 378                                                               | 29                                                      | 53                                                       | 329                                                             | 356                                                             | 407                                                             |
| 388                   | 1.81                 | 27                   | 116                                                      | 86                                                       | 97                                                       | 367                                                               | 29                                                      | 53                                                       | 333                                                             | 356                                                             | 402                                                             |
| 389                   | 1.81                 | 48                   | 110                                                      | 80                                                       | 93                                                       | 355                                                               | 30                                                      | 53                                                       | 327                                                             | 354                                                             | 395                                                             |
| 390                   | 1.82                 | 10                   | 107                                                      | 78                                                       | 90                                                       | 346                                                               | 30                                                      | 54                                                       | 316                                                             | 356                                                             | 391                                                             |
| 391                   | 1.82                 | 31                   | 109                                                      | 78                                                       | 91                                                       | 332                                                               | 30                                                      | 56                                                       | 293                                                             | 353                                                             | 387                                                             |
| 392                   | 1.82                 | 52                   | 112                                                      | 87                                                       | 99                                                       | 353                                                               | 31                                                      | 60                                                       | 304                                                             | 364                                                             | 387                                                             |
| 393                   | 1.83                 | 14                   | 124                                                      | 105                                                      | 112                                                      | 384                                                               | 30                                                      | 61                                                       | 320                                                             | 372                                                             | 395                                                             |
| 394                   | 1.83                 | 35                   | 130                                                      | 114                                                      | 121                                                      | 396                                                               | 31                                                      | 60                                                       | 334                                                             | 379                                                             | 409                                                             |
| 395                   | 1.83                 | 57                   | 133                                                      | 116                                                      | 125                                                      | 389                                                               | 31                                                      | 60                                                       | 346                                                             | 391                                                             | 413                                                             |
| 396                   | 1.84                 | 18                   | 127                                                      | 108                                                      | 121                                                      | 371                                                               | 31                                                      | 61                                                       | 350                                                             | 391                                                             | 403                                                             |
| 397                   | 1.84                 | 40                   | 125                                                      | 105                                                      | 115                                                      | 362                                                               | 30                                                      | 60                                                       | 350                                                             | 385                                                             | 394                                                             |
| 398                   | 1.90                 | 48                   | 117                                                      | 99                                                       | 112                                                      | 349                                                               | 30                                                      | 60                                                       | 328                                                             | 366                                                             | 361                                                             |
| 399                   | 1.91                 | 10                   | 114                                                      | 96                                                       | 111                                                      | 340                                                               | *                                                       | *                                                        | *                                                               | *                                                               | *                                                               |
| 400                   | 1.91                 | 31                   | 114                                                      | *                                                        | *                                                        | *                                                                 | *                                                       | *                                                        | *                                                               | *                                                               | *                                                               |
| 401                   | 1.91                 | 53                   | *                                                        | *                                                        | 107                                                      | 333                                                               | 30                                                      | 60                                                       | 321                                                             | 355                                                             | 355                                                             |
| 402                   | 1.92                 | 14                   | 109                                                      | 95                                                       | 107                                                      | 333                                                               | 31                                                      | 60                                                       | 320                                                             | 348                                                             | 349                                                             |
| 403                   | *                    | *                    | 112                                                      | 98                                                       | 108                                                      | 352                                                               | 30                                                      | 62                                                       | 317                                                             | 343                                                             | 351                                                             |

| -01<br>SACCP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-18<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>9.00<br>DEG.C | 0-20<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>4.30<br>DEG.C | 0-21<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 0-22<br>ENG.2<br>GAS GW<br>TURB<br>CASE<br>4.00<br>DEG.C | 0-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 0-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C | 0-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 0-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 0-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 404                   | *                    | *                    | 121                                                     | 105                                                     | 116                                                     | 394                                                      | 29                                                      | 60                                                       | 329                                                     | 355                                                     | 369                                                      |
| 405                   | 193                  | 19                   | 129                                                     | 110                                                     | 123                                                     | 416                                                      | 29                                                      | 58                                                       | 344                                                     | 369                                                     | 400                                                      |
| 406                   | 193                  | 40                   | 124                                                     | 106                                                     | 122                                                     | 420                                                      | 30                                                      | 56                                                       | 355                                                     | 374                                                     | 423                                                      |
| 407                   | 194                  | 2                    | 127                                                     | 102                                                     | 118                                                     | 418                                                      | 28                                                      | 54                                                       | 361                                                     | 379                                                     | 437                                                      |
| 408                   | 194                  | 23                   | 126                                                     | 99                                                      | 114                                                     | 414                                                      | 29                                                      | 53                                                       | 368                                                     | 381                                                     | 442                                                      |
| 409                   | 194                  | 45                   | 127                                                     | 97                                                      | 112                                                     | 414                                                      | 29                                                      | 54                                                       | 372                                                     | 381                                                     | 444                                                      |
| 410                   | 195                  | 6                    | 126                                                     | 97                                                      | 112                                                     | 412                                                      | 29                                                      | 53                                                       | 373                                                     | 379                                                     | 443                                                      |
| 411                   | 195                  | 28                   | 127                                                     | 96                                                      | 111                                                     | 413                                                      | 28                                                      | 53                                                       | 375                                                     | 379                                                     | 444                                                      |
| 412                   | 195                  | 49                   | 127                                                     | 96                                                      | 110                                                     | 412                                                      | 28                                                      | 53                                                       | 374                                                     | 378                                                     | 442                                                      |
| 413                   | 196                  | 10                   | 128                                                     | 96                                                      | 109                                                     | 411                                                      | 28                                                      | 53                                                       | 374                                                     | 377                                                     | 443                                                      |
| 414                   | 196                  | 32                   | 128                                                     | 95                                                      | 109                                                     | 410                                                      | 29                                                      | 53                                                       | 373                                                     | 374                                                     | 441                                                      |
| 415                   | 196                  | 53                   | 127                                                     | 95                                                      | 108                                                     | 409                                                      | 30                                                      | 51                                                       | 373                                                     | 374                                                     | 440                                                      |
| 416                   | 203                  | 55                   | 128                                                     | 99                                                      | 112                                                     | 417                                                      | 32                                                      | 54                                                       | 339                                                     | *                                                       | *                                                        |
| 417                   | 204                  | 16                   | 129                                                     | 99                                                      | *                                                       | *                                                        | *                                                       | *                                                        | *                                                       | *                                                       | *                                                        |
| 418                   | 204                  | 37                   | *                                                       | *                                                       | *                                                       | *                                                        | *                                                       | 55                                                       | 378                                                     | 378                                                     | 445                                                      |
| 419                   | 209                  | 37                   | 130                                                     | 102                                                     | 113                                                     | 405                                                      | 39                                                      | 61                                                       | 347                                                     | 359                                                     | 421                                                      |
| 420                   | 209                  | 58                   | 131                                                     | 104                                                     | 115                                                     | 411                                                      | 38                                                      | 61                                                       | 353                                                     | 365                                                     | 425                                                      |
| 421                   | *                    | *                    | 131                                                     | 105                                                     | 116                                                     | 413                                                      | 37                                                      | 60                                                       | 360                                                     | 370                                                     | 429                                                      |
| 422                   | 210                  | 40                   | 131                                                     | 103                                                     | 115                                                     | 407                                                      | 38                                                      | 61                                                       | 359                                                     | 370                                                     | 431                                                      |
| 423                   | 211                  | 1                    | 130                                                     | 102                                                     | 113                                                     | 403                                                      | 38                                                      | 61                                                       | 356                                                     | 368                                                     | 429                                                      |
| 424                   | 211                  | 22                   | 130                                                     | 102                                                     | 113                                                     | 399                                                      | 39                                                      | 61                                                       | 354                                                     | 366                                                     | 428                                                      |
| 425                   | 212                  | 38                   | 135                                                     | 107                                                     | 119                                                     | 441                                                      | 39                                                      | 63                                                       | 360                                                     | 374                                                     | 449                                                      |
| 426                   | 212                  | 59                   | 139                                                     | 113                                                     | 126                                                     | 458                                                      | 38                                                      | 64                                                       | 377                                                     | 388                                                     | 475                                                      |
| 427                   | 213                  | 21                   | 144                                                     | 117                                                     | 130                                                     | 467                                                      | 39                                                      | 64                                                       | 392                                                     | 404                                                     | 498                                                      |
| 428                   | 213                  | 42                   | 147                                                     | 119                                                     | 131                                                     | 467                                                      | 38                                                      | 65                                                       | 405                                                     | 411                                                     | 509                                                      |
| 429                   | 214                  | 4                    | 147                                                     | 117                                                     | 132                                                     | 468                                                      | 38                                                      | 66                                                       | 416                                                     | 417                                                     | 512                                                      |
| 430                   | 214                  | 25                   | 147                                                     | 116                                                     | 131                                                     | 466                                                      | 39                                                      | 65                                                       | 421                                                     | 418                                                     | 514                                                      |
| 431                   | 214                  | 47                   | 146                                                     | 116                                                     | 131                                                     | 465                                                      | 38                                                      | *                                                        | *                                                       | *                                                       | *                                                        |
| 432                   | 215                  | 8                    | *                                                       | *                                                       | *                                                       | *                                                        | *                                                       | *                                                        | 428                                                     | 422                                                     | 517                                                      |
| 433                   | 215                  | 29                   | 146                                                     | 116                                                     | 129                                                     | 461                                                      | 39                                                      | 65                                                       | 433                                                     | 420                                                     | 521                                                      |
| 434                   | 215                  | 51                   | 147                                                     | 117                                                     | 131                                                     | 467                                                      | 39                                                      | 66                                                       | 436                                                     | 423                                                     | 528                                                      |
| 435                   | 216                  | 9                    | 147                                                     | 118                                                     | 132                                                     | 470                                                      | 39                                                      | 66                                                       | 437                                                     | 425                                                     | 535                                                      |
| 436                   | 216                  | 34                   | 148                                                     | 118                                                     | 133                                                     | 467                                                      | 39                                                      | 66                                                       | 448                                                     | 427                                                     | 534                                                      |
| 437                   | 216                  | 55                   | 147                                                     | 118                                                     | 132                                                     | 464                                                      | 38                                                      | 66                                                       | 446                                                     | 432                                                     | 533                                                      |
| 438                   | 217                  | 17                   | 147                                                     | 119                                                     | 130                                                     | 468                                                      | 38                                                      | 67                                                       | 447                                                     | 433                                                     | 537                                                      |
| 439                   | 217                  | 38                   | 148                                                     | 118                                                     | 133                                                     | 472                                                      | 39                                                      | 65                                                       | 448                                                     | 432                                                     | 544                                                      |
| 440                   | 218                  | 0                    | 150                                                     | 120                                                     | 133                                                     | 470                                                      | 39                                                      | 65                                                       | 451                                                     | 433                                                     | 547                                                      |
| 441                   | 218                  | 21                   | 145                                                     | *                                                       | *                                                       | *                                                        | *                                                       | *                                                        | *                                                       | *                                                       | *                                                        |
| 442                   | 218                  | 43                   | 147                                                     | 118                                                     | 132                                                     | 471                                                      | 39                                                      | 66                                                       | 453                                                     | 433                                                     | 550                                                      |
| 443                   | 218                  | 51                   | 149                                                     | 119                                                     | 133                                                     | 476                                                      | 39                                                      | 66                                                       | 454                                                     | 435                                                     | 552                                                      |
| 444                   | 219                  | 25                   | 150                                                     | 119                                                     | 133                                                     | 472                                                      | 38                                                      | 65                                                       | 455                                                     | 436                                                     | 553                                                      |
| 445                   | 219                  | 47                   | 147                                                     | 118                                                     | 132                                                     | 471                                                      | 38                                                      | 66                                                       | 458                                                     | 434                                                     | 550                                                      |
| 446                   | 220                  | 8                    | 147                                                     | 120                                                     | 133                                                     | 475                                                      | 38                                                      | 66                                                       | 460                                                     | 434                                                     | 553                                                      |
| 447                   | 220                  | 30                   | 150                                                     | 119                                                     | 133                                                     | 475                                                      | 39                                                      | 67                                                       | 465                                                     | 435                                                     | 553                                                      |
| 448                   | 221                  | 52                   | 150                                                     | 119                                                     | 134                                                     | 477                                                      | 38                                                      | 65                                                       | 463                                                     | 435                                                     | 554                                                      |
| 449                   | 221                  | 13                   | 149                                                     | *                                                       | *                                                       | *                                                        | *                                                       | *                                                        | *                                                       | *                                                       | *                                                        |
| 450                   | 221                  | 35                   | 151                                                     | 114                                                     | 133                                                     | 475                                                      | 39                                                      | 66                                                       | 463                                                     | 437                                                     | 549                                                      |
| 451                   | 221                  | 56                   | 151                                                     | 119                                                     | 134                                                     | 477                                                      | 38                                                      | 66                                                       | 455                                                     | 440                                                     | 545                                                      |
| 452                   | 221                  | 13                   | 151                                                     | 121                                                     | 135                                                     | 477                                                      | 38                                                      | 66                                                       | 458                                                     | 441                                                     | 541                                                      |
| 453                   | 221                  | 13                   | 150                                                     | 120                                                     | 133                                                     | 468                                                      | 39                                                      | 66                                                       | 455                                                     | 437                                                     | 540                                                      |

| -01<br>SWEEP<br>COUNT | 8-22<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-18<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>9.00<br>DEG.C | 8-20<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS CN<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 454                   | 22.5                 | 0                    | 146                                                      | 117                                                      | 131                                                      | 459                                                      | 39                                                      | 55                                                       | 451                                                     | 431                                                     | 536                                                      |
| 455                   | 22.3                 | 22                   | 147                                                      | 116                                                      | 130                                                      | 456                                                      | 38                                                      | 66                                                       | 446                                                     | 428                                                     | 533                                                      |
| 456                   | 22.3                 | 43                   | 146                                                      | 115                                                      | 130                                                      | 459                                                      | 38                                                      | 65                                                       | 442                                                     | 426                                                     | 531                                                      |
| 457                   | 22.4                 | 5                    | *                                                        | *                                                        | *                                                        | 457                                                      | 38                                                      | 66                                                       | 441                                                     | 426                                                     | 529                                                      |
| 458                   | *                    | *                    | 145                                                      | 115                                                      | 130                                                      | 459                                                      | 38                                                      | 66                                                       | 440                                                     | 426                                                     | 527                                                      |
| 459                   | 22.4                 | 48                   | 146                                                      | 115                                                      | 130                                                      | 458                                                      | 38                                                      | 66                                                       | 441                                                     | 424                                                     | 526                                                      |
| 460                   | 22.5                 | 10                   | 145                                                      | 114                                                      | 129                                                      | 453                                                      | 38                                                      | 65                                                       | 439                                                     | 425                                                     | 523                                                      |
| 461                   | 22.5                 | 31                   | 143                                                      | 113                                                      | 128                                                      | 444                                                      | 38                                                      | 65                                                       | 435                                                     | 424                                                     | 515                                                      |
| 462                   | 22.5                 | 53                   | 140                                                      | 111                                                      | 126                                                      | 438                                                      | 38                                                      | 65                                                       | 428                                                     | 419                                                     | 502                                                      |
| 463                   | 22.6                 | 15                   | *                                                        | *                                                        | *                                                        | *                                                        | *                                                       | *                                                        | *                                                       | 414                                                     | 496                                                      |
| 464                   | *                    | *                    | 140                                                      | 109                                                      | 123                                                      | 435                                                      | 39                                                      | 64                                                       | 415                                                     | 412                                                     | 482                                                      |
| 465                   | 22.6                 | 58                   | 138                                                      | 108                                                      | 122                                                      | 434                                                      | 39                                                      | 63                                                       | 409                                                     | 408                                                     | 476                                                      |
| 466                   | 22.7                 | 20                   | 139                                                      | 109                                                      | 122                                                      | 437                                                      | 39                                                      | 64                                                       | 408                                                     | 405                                                     | 473                                                      |
| 467                   | 22.7                 | 42                   | 140                                                      | 110                                                      | 123                                                      | 438                                                      | 38                                                      | 64                                                       | 408                                                     | 406                                                     | 473                                                      |
| 468                   | 22.8                 | 3                    | 140                                                      | 110                                                      | 124                                                      | 438                                                      | 38                                                      | 64                                                       | 408                                                     | 401                                                     | *                                                        |
| 469                   | 22.8                 | 25                   | 139                                                      | 109                                                      | 123                                                      | 437                                                      | 37                                                      | 64                                                       | 406                                                     | 405                                                     | 475                                                      |
| 470                   | 22.8                 | 47                   | 139                                                      | 109                                                      | 125                                                      | 431                                                      | 39                                                      | 64                                                       | 405                                                     | 405                                                     | 474                                                      |
| 471                   | 22.9                 | 9                    | 138                                                      | 108                                                      | 121                                                      | 425                                                      | 38                                                      | 64                                                       | 402                                                     | 403                                                     | 471                                                      |
| 472                   | 22.9                 | 30                   | 136                                                      | 106                                                      | 120                                                      | 425                                                      | 38                                                      | 64                                                       | 397                                                     | 398                                                     | 468                                                      |
| 473                   | 22.9                 | 52                   | 136                                                      | 107                                                      | 121                                                      | 427                                                      | 38                                                      | 64                                                       | 396                                                     | 398                                                     | 466                                                      |
| 474                   | 23.0                 | 14                   | *                                                        | 108                                                      | 120                                                      | 426                                                      | 39                                                      | 64                                                       | 394                                                     | 396                                                     | 465                                                      |
| 475                   | 23.0                 | 35                   | 136                                                      | 108                                                      | 119                                                      | 417                                                      | 38                                                      | 64                                                       | 392                                                     | 395                                                     | 463                                                      |
| 476                   | 23.0                 | 57                   | 127                                                      | 99                                                       | 110                                                      | 387                                                      | 38                                                      | 63                                                       | 387                                                     | 384                                                     | 448                                                      |
| 477                   | 23.1                 | 18                   | 108                                                      | 83                                                       | 93                                                       | 357                                                      | 39                                                      | 62                                                       | 377                                                     | 371                                                     | 430                                                      |
| 478                   | 23.1                 | 40                   | 93                                                       | 73                                                       | 80                                                       | 334                                                      | 39                                                      | 60                                                       | 369                                                     | 367                                                     | 415                                                      |
| 479                   | 23.2                 | 1                    | 94                                                       | 67                                                       | 72                                                       | 313                                                      | 39                                                      | 58                                                       | 360                                                     | 344                                                     | *                                                        |
| 480                   | 23.2                 | 22                   | 78                                                       | 63                                                       | 67                                                       | 301                                                      | 39                                                      | 57                                                       | 351                                                     | 336                                                     | 392                                                      |
| 481                   | 23.2                 | 44                   | 75                                                       | 63                                                       | 65                                                       | 289                                                      | 39                                                      | 57                                                       | 343                                                     | 327                                                     | 384                                                      |
| 482                   | 23.3                 | 5                    | 73                                                       | 62                                                       | 64                                                       | 282                                                      | 38                                                      | 56                                                       | 337                                                     | 322                                                     | 377                                                      |
| 483                   | 23.3                 | 27                   | 72                                                       | 62                                                       | 64                                                       | 278                                                      | 38                                                      | 55                                                       | 333                                                     | 318                                                     | 371                                                      |
| 484                   | 23.3                 | 49                   | 71                                                       | 62                                                       | 63                                                       | 274                                                      | 38                                                      | 54                                                       | 328                                                     | 314                                                     | 368                                                      |
| 485                   | 23.4                 | 10                   | *                                                        | 60                                                       | 63                                                       | 271                                                      | 38                                                      | 54                                                       | 323                                                     | 312                                                     | 364                                                      |
| 486                   | 23.4                 | 32                   | 69                                                       | 61                                                       | 63                                                       | 271                                                      | 39                                                      | 54                                                       | 321                                                     | 310                                                     | 361                                                      |
| 487                   | 23.4                 | 53                   | 69                                                       | 61                                                       | 63                                                       | 270                                                      | 38                                                      | 53                                                       | 319                                                     | 308                                                     | 358                                                      |
| 488                   | 23.5                 | 15                   | 69                                                       | 60                                                       | 63                                                       | 269                                                      | 39                                                      | 53                                                       | 317                                                     | 307                                                     | 355                                                      |
| 489                   | 23.5                 | 37                   | 58                                                       | 60                                                       | 63                                                       | 269                                                      | 39                                                      | 51                                                       | 314                                                     | 307                                                     | 354                                                      |
| 490                   | 23.5                 | 58                   | 70                                                       | 61                                                       | 63                                                       | 273                                                      | 39                                                      | 51                                                       | 308                                                     | 301                                                     | 353                                                      |
| 491                   | 23.6                 | 20                   | 76                                                       | 66                                                       | 68                                                       | 280                                                      | 39                                                      | 53                                                       | 299                                                     | 295                                                     | 350                                                      |
| 492                   | 23.6                 | 41                   | 82                                                       | 71                                                       | 75                                                       | 290                                                      | 39                                                      | 54                                                       | 294                                                     | 289                                                     | 344                                                      |
| 493                   | 23.7                 | 3                    | 88                                                       | 75                                                       | 80                                                       | 298                                                      | 39                                                      | 55                                                       | 287                                                     | 282                                                     | 341                                                      |
| 494                   | 23.7                 | 25                   | 92                                                       | 78                                                       | 83                                                       | 298                                                      | 39                                                      | 55                                                       | 287                                                     | 282                                                     | 341                                                      |
| 495                   | *                    | *                    | 95                                                       | 79                                                       | 87                                                       | 307                                                      | 39                                                      | 56                                                       | 279                                                     | 274                                                     | 338                                                      |
| 496                   | 23.8                 | 8                    | 95                                                       | 80                                                       | 86                                                       | 309                                                      | 39                                                      | 55                                                       | 276                                                     | 272                                                     | 336                                                      |
| 497                   | 23.8                 | 29                   | 95                                                       | 80                                                       | 85                                                       | 310                                                      | 39                                                      | 57                                                       | 276                                                     | 270                                                     | 334                                                      |
| 498                   | 23.8                 | 51                   | 95                                                       | 79                                                       | 85                                                       | 308                                                      | 40                                                      | 56                                                       | 274                                                     | 269                                                     | 334                                                      |
| 499                   | 23.9                 | 13                   | 95                                                       | 80                                                       | 85                                                       | 310                                                      | 39                                                      | 58                                                       | 271                                                     | 267                                                     | 332                                                      |
| 500                   | 23.9                 | 34                   | 96                                                       | 80                                                       | 86                                                       | 310                                                      | 39                                                      | 59                                                       | 272                                                     | 267                                                     | 332                                                      |
| 501                   | 23.9                 | 56                   | 98                                                       | 82                                                       | 91                                                       | 323                                                      | 40                                                      | 58                                                       | 272                                                     | 269                                                     | 334                                                      |
| 502                   | 24.0                 | 18                   | 100                                                      | 82                                                       | 92                                                       | 323                                                      | 39                                                      | 59                                                       | 271                                                     | 269                                                     | 335                                                      |
| 503                   | 24.0                 | 40                   | 100                                                      | 83                                                       | 93                                                       | 324                                                      | 40                                                      | 59                                                       | 272                                                     | 272                                                     | 336                                                      |

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-18<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>9.00<br>DEG.C | 8-26<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS GN<br>CASE<br>4.00<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>6.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 504                   | 241                  | 1                    | 100                                                      | 83                                                       | 94                                                       | 332                                              | 39                                                      | 58                                                       | 274                                                     | 274                                                     | 339                                                      |
| 505                   | 241                  | 23                   | 107                                                      | 89                                                       | 100                                                      | 353                                              | 39                                                      | 58                                                       | 279                                                     | 278                                                     | 346                                                      |
| 506                   | 241                  | 45                   | 113                                                      | 93                                                       | 103                                                      | 362                                              | 39                                                      | 58                                                       | 285                                                     | 286                                                     | 356                                                      |
| 507                   | 242                  | 7                    | 116                                                      | 96                                                       | 106                                                      | 368                                              | 39                                                      | 60                                                       | 292                                                     | 294                                                     | 365                                                      |
| 508                   | 242                  | 28                   | 118                                                      | 96                                                       | 107                                                      | 374                                              | 39                                                      | 60                                                       | 299                                                     | 303                                                     | 373                                                      |
| 509                   | 242                  | 58                   | 122                                                      | 98                                                       | 110                                                      | 387                                              | 40                                                      | 61                                                       | 305                                                     | 310                                                     | 385                                                      |
| 510                   | 243                  | 11                   | 128                                                      | 101                                                      | 112                                                      | 399                                              | 40                                                      | 59                                                       | 313                                                     | 321                                                     | 399                                                      |
| 511                   | 243                  | 33                   | 130                                                      | 103                                                      | 116                                                      | 405                                              | 41                                                      | 61                                                       | 323                                                     | 327                                                     | 411                                                      |
| 512                   | 243                  | 54                   | 133                                                      | 105                                                      | 116                                                      | 414                                              | 41                                                      | 61                                                       | 332                                                     | 338                                                     | 419                                                      |
| 513                   | 243                  | 16                   | 134                                                      | 105                                                      | 117                                                      | 418                                              | 40                                                      | 61                                                       | 341                                                     | 344                                                     | 428                                                      |
| 514                   | 244                  | 37                   | 135                                                      | 105                                                      | 118                                                      | 418                                              | 40                                                      | 61                                                       | 350                                                     | 352                                                     | 434                                                      |
| 515                   | 244                  | 59                   | *                                                        | 105                                                      | 116                                                      | 412                                              | 41                                                      | 61                                                       | 350                                                     | 355                                                     | 436                                                      |
| 516                   | 245                  | 20                   | 132                                                      | 104                                                      | 116                                                      | 405                                              | 40                                                      | 62                                                       | 351                                                     | 356                                                     | 434                                                      |
| 517                   | 245                  | 42                   | 130                                                      | 102                                                      | 114                                                      | 404                                              | 40                                                      | 62                                                       | 349                                                     | 356                                                     | 433                                                      |
| 518                   | 246                  | 3                    | 131                                                      | 103                                                      | 114                                                      | 410                                              | 41                                                      | 62                                                       | 346                                                     | 353                                                     | 432                                                      |
| 519                   | 246                  | 25                   | 132                                                      | 104                                                      | 115                                                      | 413                                              | 41                                                      | 62                                                       | 347                                                     | 354                                                     | 433                                                      |
| 520                   | 246                  | 47                   | 134                                                      | 105                                                      | 117                                                      | 417                                              | 41                                                      | 62                                                       | 349                                                     | 356                                                     | 435                                                      |
| 521                   | 247                  | 8                    | 135                                                      | 106                                                      | 118                                                      | 419                                              | 41                                                      | 63                                                       | 351                                                     | 359                                                     | 436                                                      |
| 522                   | 247                  | 30                   | 135                                                      | 106                                                      | 118                                                      | 422                                              | 41                                                      | 62                                                       | 355                                                     | 360                                                     | 436                                                      |
| 523                   | 247                  | *                    | 136                                                      | 107                                                      | 118                                                      | 422                                              | 41                                                      | 62                                                       | 357                                                     | 362                                                     | 439                                                      |
| 524                   | 248                  | 13                   | 137                                                      | 107                                                      | 119                                                      | 423                                              | 41                                                      | 63                                                       | 361                                                     | 364                                                     | 441                                                      |
| 525                   | 248                  | 34                   | 136                                                      | 108                                                      | 120                                                      | 420                                              | 41                                                      | 63                                                       | 363                                                     | 368                                                     | 443                                                      |
| 526                   | 248                  | 56                   | 133                                                      | *                                                        | *                                                        | *                                                | *                                                       | *                                                        | *                                                       | 368                                                     | 442                                                      |
| 527                   | 249                  | 17                   | 127                                                      | 101                                                      | 111                                                      | 385                                              | 37                                                      | 60                                                       | 345                                                     | 365                                                     | 436                                                      |
| 528                   | 249                  | 39                   | 124                                                      | 92                                                       | 106                                                      | 352                                              | 41                                                      | 65                                                       | 315                                                     | 382                                                     | 424                                                      |
| 529                   | 250                  | 0                    | 117                                                      | 88                                                       | 104                                                      | 353                                              | 40                                                      | 67                                                       | 315                                                     | 381                                                     | 414                                                      |
| 530                   | 250                  | 22                   | 121                                                      | 96                                                       | 110                                                      | 364                                              | 41                                                      | 67                                                       | 326                                                     | 378                                                     | 403                                                      |
| 531                   | 250                  | 43                   | 122                                                      | 99                                                       | 113                                                      | 358                                              | 40                                                      | 68                                                       | 327                                                     | 373                                                     | 393                                                      |
| 532                   | 251                  | 5                    | 119                                                      | 97                                                       | 112                                                      | 349                                              | 41                                                      | 68                                                       | 328                                                     | 367                                                     | 385                                                      |
| 533                   | 251                  | 27                   | 116                                                      | *                                                        | *                                                        | *                                                | *                                                       | *                                                        | *                                                       | *                                                       | *                                                        |
| 534                   | 251                  | 48                   | 116                                                      | 100                                                      | 112                                                      | 345                                              | 40                                                      | 69                                                       | 328                                                     | 357                                                     | 368                                                      |
| 535                   | 252                  | 18                   | 114                                                      | 101                                                      | 113                                                      | 344                                              | 41                                                      | 68                                                       | 327                                                     | 354                                                     | 364                                                      |
| 536                   | 252                  | 31                   | 114                                                      | 102                                                      | 112                                                      | 342                                              | 40                                                      | 68                                                       | 327                                                     | 352                                                     | 362                                                      |
| 537                   | 252                  | *                    | 115                                                      | 103                                                      | 112                                                      | 340                                              | 40                                                      | 69                                                       | 326                                                     | 349                                                     | 359                                                      |
| 538                   | 253                  | 15                   | 115                                                      | 103                                                      | 113                                                      | 340                                              | 40                                                      | 69                                                       | 325                                                     | 348                                                     | 357                                                      |
| 539                   | 253                  | 36                   | 115                                                      | 105                                                      | 113                                                      | 343                                              | 39                                                      | 70                                                       | 328                                                     | 349                                                     | 355                                                      |
| 540                   | 254                  | 20                   | 121                                                      | 112                                                      | 120                                                      | 359                                              | 40                                                      | 71                                                       | 333                                                     | 355                                                     | 359                                                      |
| 541                   | 254                  | 42                   | 123                                                      | 112                                                      | 123                                                      | 354                                              | 44                                                      | 80                                                       | 337                                                     | 361                                                     | 367                                                      |
| 542                   | 254                  | 3                    | 111                                                      | 104                                                      | 112                                                      | 347                                              | 46                                                      | 85                                                       | 343                                                     | 362                                                     | 366                                                      |
| 543                   | 255                  | 3                    | 99                                                       | 94                                                       | 99                                                       | 339                                              | 43                                                      | 84                                                       | 338                                                     | 353                                                     | 355                                                      |
| 544                   | 255                  | 35                   | 99                                                       | 94                                                       | 99                                                       | 339                                              | 43                                                      | 84                                                       | 338                                                     | 353                                                     | 355                                                      |

**RUN 7, 19 TO 46°C, 4-6 JULY 1971**

Soak time 49 hours

Test Synopsis:

This run presents data for an extended 49-hour soak and shows aircraft temperatures in a static condition with all doors, windows, and ramps closed. The free air temperatures, solar radiation, and resultant aircraft temperatures are typical for this desert test phase. The free air temperature presented with the digital data (column 1-04) is taken from a probe on the aircraft and is affected by the aircraft mass temperature for this static condition in that it lags changes in the ambient air temperature. The temperatures shown in the event sheet are taken from a mast placed in front of the aircraft (but separated from it), and are more representative of the actual ambient air temperature.

Test parameters not connected or not presented.

Only selected pertinent temperature parameters are presented. Parameters such as engine and rotor rpm, hydraulic and oil pressures are not pertinent and are not presented.

Event Sheet:

| CTR    | Soak Time (hr) | Time and Date | Air Temperature in Front of Aircraft °C/°F | Solar Radiation BTU/hr/ft <sup>2</sup> |
|--------|----------------|---------------|--------------------------------------------|----------------------------------------|
| 4 July |                |               |                                            |                                        |
| 10     | 0              | 1100          | 39/102                                     | 302                                    |
| 15     | 1              | 1200          | 40/104                                     | 324                                    |
| 21     | 2              | 1300          | 40/104                                     | 330                                    |
| 30     | 3              | 1400          | 43/110                                     | 316                                    |
| 38     | 4              | 1500          | 44/111                                     | 308                                    |
| 43     | 5              | 1600          | 43.5/111                                   | 254                                    |
| 50     | 6              | 1700          | 43/110                                     | 175                                    |
| 55     | 7              | 1800          | 46/115                                     | 108                                    |
| 62     | 9              | 2000          | 46/115                                     | X                                      |
| 65     | 11             | 2200          | 32/90                                      | X                                      |
| 74     | 13             | 2400          | 28/82                                      | X                                      |
| 5 July |                |               |                                            |                                        |
| 82     | 15             | 0200          | 27/81                                      | X                                      |
| 89     | 17             | 0400          | 20.5/69                                    | X                                      |
| 95     | 19             | 0600          | 19.5/67                                    | 2                                      |
| 100    | 20             | 0700          | 23/73                                      | 60                                     |
| 108    | 21             | 0800          | 26/79                                      | 100                                    |

| CTR | Soak<br>Time<br>(hr) | Time<br>and<br>Date | Air<br>Temperature<br>in Front of<br>Aircraft<br>°C/°F | Solar Radiation<br>BTU/hr/ft <sup>2</sup> |
|-----|----------------------|---------------------|--------------------------------------------------------|-------------------------------------------|
| 114 | 22                   | 0900                | 32/90                                                  | 192                                       |
| 121 | 23                   | 1000                | 36/97                                                  | 250                                       |
|     |                      | 5 July              |                                                        |                                           |
| 125 | 24                   | 1100                | 39/102                                                 | 306                                       |
| 131 | 25                   | 1200                | 40.5/105                                               | 330                                       |
| 139 | 26                   | 1300                | 40.5/105                                               | 330                                       |
| 169 | 27                   | 1400                | 42/107                                                 | 322                                       |
| 175 | 28                   | 1500                | 46/115                                                 | 320                                       |
| 185 | 29                   | 1600                | 46/115                                                 | 250                                       |
| 190 | 30                   | 1700                | 46/115                                                 | 182                                       |
| 200 | 31                   | 1800                | 45/113                                                 | 122                                       |
| 204 | 34                   | 2100                | 32/90                                                  | X                                         |
| 209 | 37                   | 2400                | 29/84                                                  | X                                         |
|     |                      | 6 July              |                                                        |                                           |
| 218 | 40                   | 0300                | 25/77                                                  | X                                         |
| 223 | 43                   | 0600                | 24/75                                                  | 2                                         |
| 228 | 44                   | 0700                | 29/84                                                  | 83                                        |
| 235 | 45                   | 0800                | 32/90                                                  | 130                                       |
| 238 | 46                   | 0900                | 34/93                                                  | 200                                       |
| 247 | 47                   | 1000                | 37/99                                                  | 255                                       |
| 252 | 48                   | 1100                | 39/102                                                 | 283                                       |
| 255 | 49                   | 1200                | 39/102                                                 | 314                                       |

HH-53C S/N 68-10354  
DESERT TEST  
4-6 JULY 1971  
RUN NO. 7

| -01<br>SLEEP<br>COUNT | 1-02<br>TIME<br>HRS. | 1-03<br>CLOCK<br>TIME | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>WAIST<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|-----------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|
| 10                    | 6                    | 1100                  | 63                                                      | 48                                                       | 45                                                      | 42                                                      | 54                                                      | 56                                                       | 48                                                      | 51                                               | 48                                                     | 45                                                      |
| 15                    | 1                    | 1200                  | 68                                                      | 52                                                       | 50                                                      | 49                                                      | 68                                                      | 58                                                       | 53                                                      | 56                                               | 52                                                     | 47                                                      |
| 21                    | 2                    | 1300                  | 59                                                      | 58                                                       | 53                                                      | 55                                                      | 69                                                      | 54                                                       | 56                                                      | 57                                               | 54                                                     | 48                                                      |
| 30                    | 3                    | 1400                  | 71                                                      | 59                                                       | 56                                                      | 56                                                      | 69                                                      | 56                                                       | 52                                                      | 54                                               | 55                                                     | 49                                                      |
| 38                    | 4                    | 1500                  | 70                                                      | 61                                                       | 58                                                      | 56                                                      | 66                                                      | 53                                                       | 52                                                      | 52                                               | 55                                                     | 50                                                      |
| 43                    | 5                    | 1600                  | 68                                                      | 58                                                       | 61                                                      | 56                                                      | 64                                                      | 52                                                       | 53                                                      | 52                                               | 57                                                     | 52                                                      |
| 50                    | 6                    | 1700                  | 61                                                      | 56                                                       | 59                                                      | 59                                                      | 58                                                      | 52                                                       | 57                                                      | 51                                               | 56                                                     | 52                                                      |
| 55                    | 7                    | 1800                  | 56                                                      | 56                                                       | 59                                                      | 59                                                      | 55                                                      | 51                                                       | *                                                       | *                                                | *                                                      | *                                                       |
| 62                    | 9                    | 2000                  | 43                                                      | 44                                                       | 46                                                      | 48                                                      | 42                                                      | 42                                                       | 43                                                      | 43                                               | 42                                                     | 41                                                      |
| 65                    | 11                   | 2200                  | 34                                                      | 34                                                       | 35                                                      | 37                                                      | 34                                                      | 34                                                       | 34                                                      | 36                                               | 34                                                     | 34                                                      |
| 74                    | 13                   | 2400                  | 28                                                      | 28                                                       | 29                                                      | 31                                                      | 28                                                      | 28                                                       | 28                                                      | 31                                               | 29                                                     | 29                                                      |
| 82                    | 15                   | 0200                  | 25                                                      | 25                                                       | 25                                                      | 28                                                      | 26                                                      | 26                                                       | 25                                                      | 24                                               | 27                                                     | 26                                                      |
| 89                    | 17                   | 0400                  | 22                                                      | 22                                                       | 22                                                      | 24                                                      | 22                                                      | 22                                                       | 22                                                      | 24                                               | 23                                                     | 23                                                      |
| 95                    | 19                   | 0600                  | 20                                                      | 21                                                       | 21                                                      | 23                                                      | 22                                                      | 21                                                       | 21                                                      | 23                                               | 22                                                     | 22                                                      |
| 100                   | 20                   | 0700                  | 22                                                      | 22                                                       | 22                                                      | 22                                                      | 22                                                      | 24                                                       | 24                                                      | 26                                               | 11                                                     | *                                                       |
| 108                   | 21                   | 0800                  | 29                                                      | 28                                                       | 29                                                      | 25                                                      | 32                                                      | 30                                                       | 28                                                      | 31                                               | 32                                                     | 29                                                      |
| 114                   | 22                   | 0900                  | 42                                                      | 35                                                       | 32                                                      | 29                                                      | 42                                                      | 42                                                       | 36                                                      | 41                                               | 42                                                     | 37                                                      |
| 121                   | 23                   | 1000                  | 53                                                      | 42                                                       | 39                                                      | 35                                                      | 54                                                      | 45                                                       | 43                                                      | 47                                               | 47                                                     | 42                                                      |
| 125                   | 24                   | 1100                  | 63                                                      | 48                                                       | 45                                                      | 42                                                      | 55                                                      | 56                                                       | 48                                                      | 51                                               | 49                                                     | 47                                                      |
| 131                   | 25                   | 1200                  | 59                                                      | 53                                                       | 51                                                      | 48                                                      | 59                                                      | 59                                                       | 36                                                      | 51                                               | *                                                      | *                                                       |
| 139                   | 26                   | 1300                  | 72                                                      | 59                                                       | 55                                                      | 54                                                      | 69                                                      | 54                                                       | 57                                                      | 56                                               | 55                                                     | 49                                                      |
| 169                   | 27                   | 1400                  | 73                                                      | 59                                                       | 58                                                      | 58                                                      | 68                                                      | 55                                                       | 53                                                      | 52                                               | 56                                                     | 51                                                      |
| 175                   | 28                   | 1500                  | 75                                                      | 64                                                       | 62                                                      | 60                                                      | 70                                                      | 55                                                       | 54                                                      | 54                                               | 7                                                      | 51                                                      |
| 185                   | 29                   | 1600                  | 72                                                      | 61                                                       | 64                                                      | 60                                                      | 67                                                      | 55                                                       | 55                                                      | 53                                               | 60                                                     | 55                                                      |
| 190                   | 30                   | 1700                  | 65                                                      | 60                                                       | 62                                                      | 63                                                      | 62                                                      | 55                                                       | 60                                                      | 54                                               | 59                                                     | 55                                                      |
| 200                   | 31                   | 1800                  | 59                                                      | 59                                                       | 62                                                      | 62                                                      | 58                                                      | 54                                                       | 54                                                      | 51                                               | 58                                                     | 54                                                      |
| 204                   | 32                   | 2100                  | 38                                                      | 38                                                       | 39                                                      | 41                                                      | 37                                                      | 38                                                       | 37                                                      | 39                                               | 37                                                     | 36                                                      |
| 209                   | 33                   | 2400                  | 29                                                      | 29                                                       | 30                                                      | 32                                                      | 30                                                      | 29                                                       | 30                                                      | 31                                               | 0                                                      | *                                                       |
| 214                   | 40                   | 0300                  | 24                                                      | 24                                                       | 25                                                      | 27                                                      | 25                                                      | 25                                                       | 25                                                      | 26                                               | 25                                                     | 25                                                      |
| 223                   | 43                   | 0600                  | 22                                                      | 22                                                       | 23                                                      | 24                                                      | 23                                                      | 22                                                       | 23                                                      | 24                                               | 24                                                     | 24                                                      |
| 224                   | 44                   | 0700                  | 31                                                      | 29                                                       | 31                                                      | 26                                                      | 35                                                      | 32                                                       | 31                                                      | 34                                               | 36                                                     | 32                                                      |
| 235                   | 45                   | 0800                  | 35                                                      | 35                                                       | 38                                                      | 30                                                      | 41                                                      | 38                                                       | 36                                                      | 41                                               | 40                                                     | 35                                                      |
| 238                   | 46                   | 0900                  | 45                                                      | 39                                                       | 37                                                      | 34                                                      | 46                                                      | 47                                                       | 41                                                      | 47                                               | 45                                                     | 41                                                      |
| 247                   | 47                   | 1000                  | *                                                       | *                                                        | *                                                       | *                                                       | 56                                                      | 47                                                       | 45                                                      | 50                                               | 49                                                     | 44                                                      |
| 252                   | 48                   | 1100                  | 63                                                      | 48                                                       | 46                                                      | 42                                                      | 63                                                      | 56                                                       | 48                                                      | 51                                               | 50                                                     | 46                                                      |
| 255                   | 49                   | 1200                  | 64                                                      | 48                                                       | 46                                                      | 43                                                      | 66                                                      | 56                                                       | 48                                                      | 52                                               | 50                                                     | 44                                                      |

HH-53C S/N 6A-13354  
DESERT TFST  
4-6 JULY 1971  
RUN NO. 7

| -01<br>SNEEP<br>COUNT | 1-02<br>TIME<br>MRS. | 1-03<br>CLOCK<br>TIME | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FOOT<br>MASS<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|-----------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------|
| 10                    | 0                    | 1100                  | 40                                                     | 46                                                     | 50                                                     | 45                                                      | 41                                                     | 46                                                                     |
| 15                    | 1                    | 1200                  | 42                                                     | 46                                                     | 52                                                     | 47                                                      | 44                                                     | 45                                                                     |
| 21                    | 2                    | 1300                  | 43                                                     | 46                                                     | 51                                                     | 48                                                      | 44                                                     | 46                                                                     |
| 30                    | 3                    | 1400                  | 44                                                     | 45                                                     | 53                                                     | 49                                                      | 46                                                     | 45                                                                     |
| 38                    | 4                    | 1500                  | 45                                                     | 44                                                     | 54                                                     | 50                                                      | 47                                                     | 46                                                                     |
| 43                    | 5                    | 1600                  | 46                                                     | 45                                                     | 55                                                     | 51                                                      | 48                                                     | 45                                                                     |
| 50                    | 6                    | 1700                  | 46                                                     | 45                                                     | 56                                                     | 51                                                      | 48                                                     | 45                                                                     |
| 55                    | 7                    | 1800                  | *                                                      | *                                                      | *                                                      | *                                                       | *                                                      | *                                                                      |
| 62                    | 8                    | 1900                  | 40                                                     | 40                                                     | 40                                                     | 38                                                      | 37                                                     | 38                                                                     |
| 65                    | 9                    | 2000                  | 43                                                     | 34                                                     | 33                                                     | 32                                                      | 31                                                     | 29                                                                     |
| 74                    | 10                   | 2100                  | 28                                                     | 30                                                     | 28                                                     | 27                                                      | 27                                                     | 28                                                                     |
| 82                    | 11                   | 2200                  | 26                                                     | 28                                                     | 26                                                     | 24                                                      | 24                                                     | 25                                                                     |
| 89                    | 12                   | 0200                  | 23                                                     | 25                                                     | 22                                                     | 21                                                      | 21                                                     | 22                                                                     |
| 95                    | 13                   | 0300                  | 22                                                     | 24                                                     | 21                                                     | 20                                                      | 21                                                     | 22                                                                     |
| 100                   | 14                   | 0400                  | *                                                      | *                                                      | *                                                      | *                                                       | *                                                      | *                                                                      |
| 104                   | 15                   | 0500                  | 27                                                     | 32                                                     | 32                                                     | 29                                                      | 27                                                     | 32                                                                     |
| 114                   | 16                   | 0600                  | 32                                                     | 40                                                     | 42                                                     | 37                                                      | 33                                                     | 41                                                                     |
| 121                   | 17                   | 0700                  | 38                                                     | 45                                                     | 46                                                     | 42                                                      | 39                                                     | 46                                                                     |
| 125                   | 18                   | 0800                  | 41                                                     | 48                                                     | 52                                                     | 46                                                      | 42                                                     | 48                                                                     |
| 131                   | 19                   | 0900                  | *                                                      | *                                                      | *                                                      | *                                                       | *                                                      | *                                                                      |
| 139                   | 20                   | 1000                  | 44                                                     | 45                                                     | 53                                                     | 49                                                      | 45                                                     | 46                                                                     |
| 169                   | 21                   | 1100                  | 45                                                     | 45                                                     | 55                                                     | 51                                                      | 47                                                     | 48                                                                     |
| 175                   | 22                   | 1200                  | *                                                      | *                                                      | *                                                      | *                                                       | *                                                      | *                                                                      |
| 185                   | 23                   | 1300                  | 48                                                     | 47                                                     | 58                                                     | 53                                                      | 50                                                     | 48                                                                     |
| 190                   | 24                   | 1400                  | 49                                                     | 47                                                     | 58                                                     | 55                                                      | 51                                                     | 48                                                                     |
| 200                   | 25                   | 1500                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 204                   | 26                   | 1600                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 209                   | 27                   | 1700                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 215                   | 28                   | 1800                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 223                   | 29                   | 1900                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 228                   | 30                   | 2000                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 233                   | 31                   | 2100                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 238                   | 32                   | 2200                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 247                   | 33                   | 2300                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 252                   | 34                   | 2400                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 257                   | 35                   | 2500                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 262                   | 36                   | 2600                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 265                   | 37                   | 2700                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 268                   | 38                   | 2800                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |
| 275                   | 39                   | 2900                  | 56                                                     | 50                                                     | 56                                                     | 54                                                      | 49                                                     | 46                                                                     |



| -01   | 1-02 | 1-03  | 4-05   | 4-06   | 4-07   | 4-08   | 4-09   | 4-10   | 4-11   | 4-12   | 4-14   | 4-15   |
|-------|------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SWEEP | TIME | CLOCK | CO-PLT | CO-PLT | CENTER | CENTER | 1STAGE | 1STAGE | 1STAGE | 2STAGE | 2STAGE | 2STAGE |
| COUNT | HRS. | TIME  | WINDSH | WINDSH | PANEL  | PANEL  | PUMP   | PUMP   | PUMP   | PUMP   | AFY    | AFY    |
|       |      |       | INSIDE | INSIDE | WINDSH | WINDSH | INLET  | OUTLET | SERVO  | INLET  | SERVO  | HYD IN |
|       |      |       | LOWER  | UPPER  | INSIDE | INSIDE | HYD.   | HYD.   | HYD IN | HYD.   | TEMP   | TEMP   |
|       |      |       | CENTER | Q H    | LMR C  | UPR C  | TEMP   | TEMP   | TEMP   | TEMP   | DEG.C  | DEG.C  |
|       |      |       | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  |
| 10    | 0    | 1100  | 72     | 64     | 74     | 51     | 36     | 36     | 30     | 35     | 39     | 36     |
| 15    | 1    | 1300  | 74     | 66     | 79     | 66     | 41     | 41     | 33     | 38     | 39     | 36     |
| 21    | 2    | 1500  | *      | *      | *      | *      | *      | *      | *      | *      | 38     | 40     |
| 30    | 3    | 1400  | 69     | 67     | *      | 29     | *      | *      | *      | *      | *      | *      |
| 38    | 4    | 1500  | 64     | 64     | 78     | 65     | 42     | 44     | 30     | 43     | 40     | 43     |
| 43    | 5    | 1600  | 62     | 62     | 29     | 59     | 42     | 41     | 42     | 44     | *      | *      |
| 50    | 6    | 1700  | 54     | 57     | 61     | 59     | 42     | 41     | 42     | 44     | *      | *      |
| 55    | 7    | 1800  | 48     | 51     | 50     | 54     | 42     | 42     | 43     | 44     | 42     | 46     |
| 62    | 8    | 1900  | 37     | 39     | 38     | 41     | 36     | 36     | 36     | 33     | 36     | 39     |
| 65    | 9    | 2000  | *      | *      | *      | *      | *      | 32     | 31     | 32     | 28     | 32     |
| 74    | 11   | 2200  | 26     | 27     | 27     | 28     | 28     | 27     | 28     | 27     | 25     | 27     |
| 82    | 13   | 2400  | 24     | 24     | 23     | 24     | 26     | 22     | 27     | 24     | 23     | 24     |
| 89    | 15   | 0100  | 20     | 20     | 19     | 21     | 21     | 22     | 21     | 24     | 23     | 22     |
| 99    | 17   | 0300  | 19     | 20     | 19     | 20     | 21     | 21     | 21     | 22     | 22     | 22     |
| 100   | 20   | 0500  | 25     | 23     | 22     | 23     | 20     | 20     | 22     | 22     | 22     | 22     |
| 106   | 21   | 0600  | 36     | 32     | 28     | 29     | 23     | 23     | 32     | 22     | 26     | 22     |
| 114   | 23   | 0800  | 44     | 41     | 41     | 40     | 28     | 28     | 32     | 25     | 33     | 25     |
| 121   | 25   | 1000  | 53     | 56     | 60     | 52     | 34     | 34     | 36     | 32     | 34     | 31     |
| 125   | 26   | 1200  | 72     | 64     | 73     | 61     | 36     | 37     | 37     | 36     | 40     | 36     |
| 131   | 28   | 1300  | 74     | 66     | *      | 66     | 41     | 42     | 39     | 38     | 40     | 38     |
| 139   | 29   | 1400  | 72     | 67     | *      | 66     | 42     | 42     | 39     | 40     | 39     | 41     |
| 169   | 36   | 1500  | 68     | 67     | 74     | 67     | 46     | 46     | 41     | 43     | 41     | 43     |
| 175   | 38   | 1600  | 56     | 58     | 72     | 69     | 45     | 46     | 43     | 45     | 43     | 45     |
| 185   | 39   | 1700  | 51     | 56     | 73     | 67     | 42     | 43     | 45     | 44     | 45     | 46     |
| 190   | 40   | 1800  | 51     | 52     | 55     | 62     | 45     | 44     | 45     | 46     | 45     | 48     |
| 200   | 41   | 1900  | 51     | 51     | 53     | 56     | 43     | 42     | 45     | 46     | 44     | 48     |
| 204   | 44   | 2100  | 36     | 36     | 34     | 36     | 34     | 34     | 34     | 36     | 34     | 34     |
| 209   | 47   | 2300  | 2      | 2      | 24     | 24     | 29     | 29     | 29     | 29     | 29     | 30     |
| 218   | 40   | 0300  | *      | *      | *      | *      | *      | 25     | 25     | 26     | 26     | 26     |
| 223   | 43   | 0600  | 21     | 20     | 21     | 22     | 23     | 23     | 23     | 24     | 24     | 24     |
| 229   | 46   | 0700  | 38     | 34     | 28     | 31     | 25     | 25     | 28     | 25     | 23     | 26     |
| 235   | 48   | 0800  | 49     | 42     | 31     | 36     | 28     | 28     | 31     | 27     | 32     | 26     |
| 239   | 49   | 0900  | 47     | 47     | 46     | 46     | 35     | 32     | 35     | 31     | 32     | 31     |
| 247   | 46   | 1000  | 62     | 49     | 54     | 54     | 35     | 36     | 35     | 35     | 34     | 34     |
| 252   | 47   | 1100  | 72     | 64     | 75     | 59     | 37     | 37     | 38     | 35     | 39     | 36     |
| 258   | 48   | 1200  | 72     | 64     | 75     | 61     | 36     | 37     | 38     | 33     | 39     | 37     |

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| -01<br>SWEEP<br>COUNT | 1-32<br>TIME<br>HRS. | 1-03<br>CLOCK<br>TIME | 4-16<br>2STAGE<br>AFCS 1<br>EPTICK<br>/ROLL<br>CHANI<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>EPTICK<br>/ROLL<br>CHANI<br>DEG.C | 4-20<br>ROTARY<br>RUNNER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C |
|-----------------------|----------------------|-----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|
| 10                    | 0                    | 1300                  | 37                                                            | 40                                                      | 40                                                       | 35                                                           | 41                                                           | 43                                                          | 35                                                      |
| 15                    | 1                    | 1305                  | 39                                                            | 39                                                      | 39                                                       | 35                                                           | 44                                                           | 45                                                          | 37                                                      |
| 21                    | 2                    | 1310                  | 41                                                            | 41                                                      | 41                                                       | 40                                                           | 44                                                           | 45                                                          | 39                                                      |
| 30                    | 3                    | 1315                  | *                                                             | *                                                       | *                                                        | 42                                                           | 44                                                           | 45                                                          | 40                                                      |
| 38                    | 4                    | 1320                  | 43                                                            | 42                                                      | 42                                                       | 44                                                           | 45                                                           | 46                                                          | 41                                                      |
| 43                    | 5                    | 1325                  | 43                                                            | 42                                                      | 42                                                       | 45                                                           | 46                                                           | 47                                                          | 41                                                      |
| 50                    | 6                    | 1330                  | *                                                             | *                                                       | *                                                        | *                                                            | *                                                            | *                                                           | *                                                       |
| 55                    | 7                    | 1335                  | 44                                                            | 41                                                      | 41                                                       | 46                                                           | 45                                                           | 45                                                          | 41                                                      |
| 62                    | 8                    | 1340                  | 41                                                            | 37                                                      | 37                                                       | 36                                                           | 39                                                           | 39                                                          | 38                                                      |
| 65                    | 9                    | 1345                  | 35                                                            | 32                                                      | 32                                                       | 32                                                           | 32                                                           | 32                                                          | 32                                                      |
| 74                    | 10                   | 1350                  | 29                                                            | *                                                       | *                                                        | *                                                            | *                                                            | *                                                           | *                                                       |
| 82                    | 11                   | 1355                  | 27                                                            | 26                                                      | 26                                                       | 28                                                           | 26                                                           | 26                                                          | 27                                                      |
| 89                    | 12                   | 1400                  | 23                                                            | 22                                                      | 22                                                       | 24                                                           | 22                                                           | 22                                                          | 22                                                      |
| 95                    | 13                   | 1405                  | 21                                                            | 21                                                      | 21                                                       | 22                                                           | 21                                                           | 22                                                          | 22                                                      |
| 100                   | 14                   | 1410                  | 21                                                            | 21                                                      | 20                                                       | 20                                                           | 22                                                           | 21                                                          | 21                                                      |
| 108                   | 15                   | 1415                  | 23                                                            | 25                                                      | 24                                                       | 22                                                           | 25                                                           | 25                                                          | 23                                                      |
| 114                   | 16                   | 1420                  | 27                                                            | 33                                                      | 31                                                       | 25                                                           | 32                                                           | 34                                                          | 27                                                      |
| 121                   | 17                   | 1425                  | 33                                                            | 40                                                      | 39                                                       | 31                                                           | 39                                                           | 42                                                          | 27                                                      |
| 125                   | 18                   | 1430                  | 37                                                            | 42                                                      | 41                                                       | 35                                                           | 44                                                           | 46                                                          | 35                                                      |
| 131                   | 19                   | 1435                  | 40                                                            | 41                                                      | 40                                                       | 38                                                           | 45                                                           | 46                                                          | 38                                                      |
| 135                   | 20                   | 1440                  | 42                                                            | 41                                                      | 40                                                       | 41                                                           | 44                                                           | 45                                                          | 38                                                      |
| 169                   | 21                   | 1445                  | 43                                                            | 42                                                      | 42                                                       | 44                                                           | 46                                                           | 47                                                          | 40                                                      |
| 175                   | 22                   | 1450                  | 45                                                            | 44                                                      | 44                                                       | 46                                                           | 48                                                           | 48                                                          | 41                                                      |
| 185                   | 23                   | 1455                  | 46                                                            | 43                                                      | 43                                                       | 47                                                           | 48                                                           | 48                                                          | 42                                                      |
| 190                   | 24                   | 1500                  | 46                                                            | 44                                                      | 44                                                       | 49                                                           | 48                                                           | 48                                                          | 42                                                      |
| 200                   | 25                   | 1505                  | 45                                                            | 42                                                      | 42                                                       | 48                                                           | 48                                                           | 46                                                          | 42                                                      |
| 204                   | 26                   | 1510                  | 38                                                            | 34                                                      | 34                                                       | 35                                                           | 35                                                           | 35                                                          | 35                                                      |
| 209                   | 27                   | 1515                  | 31                                                            | 29                                                      | 29                                                       | 30                                                           | 30                                                           | 30                                                          | 30                                                      |
| 218                   | 28                   | 1520                  | 26                                                            | 24                                                      | 25                                                       | 26                                                           | 25                                                           | 25                                                          | 26                                                      |
| 223                   | 29                   | 1525                  | 24                                                            | 23                                                      | 23                                                       | 24                                                           | 23                                                           | 23                                                          | 24                                                      |
| 228                   | 30                   | 1530                  | 26                                                            | 27                                                      | 27                                                       | 24                                                           | 28                                                           | 28                                                          | 26                                                      |
| 235                   | 31                   | 1535                  | 32                                                            | 31                                                      | 31                                                       | 26                                                           | 31                                                           | 33                                                          | 29                                                      |
| 238                   | 32                   | 1540                  | 32                                                            | 36                                                      | 35                                                       | 31                                                           | 35                                                           | 37                                                          | 32                                                      |
| 247                   | 33                   | 1545                  | 35                                                            | 41                                                      | 40                                                       | 34                                                           | 41                                                           | 41                                                          | 35                                                      |
| 262                   | 34                   | 1550                  | 38                                                            | 42                                                      | 41                                                       | 36                                                           | 42                                                           | 43                                                          | 37                                                      |
| 265                   | 35                   | 1555                  | 38                                                            | 42                                                      | 41                                                       | 36                                                           | 42                                                           | 43                                                          | 37                                                      |

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4-6 JULY 1971  
RUN NO. 7

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>HRS. | 1-03<br>CLOCK<br>TIME | 5-05<br>ENG-1<br>OIL<br>TEMP<br>DEG.C | 5-15<br>ACCFSS<br>GEAR<br>BOX<br>TEMP<br>DEG.C | 5-16<br>MAIN<br>COOLER<br>OIL<br>TEMP<br>DEG.C | 5-17<br>MAIN<br>G-BOX<br>COOLER<br>OUTLET<br>OIL<br>TEMP<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN-1<br>MASS<br>TEMP<br>DEG.C | 6-21<br>ENG-1<br>COMPT<br>UPPER<br>AIRTMP<br>DEG.C | 6-22<br>ENG-1<br>COMPT<br>LOWER<br>AIRTMP<br>DEG.C | 6-23<br>ENG-1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C |
|-----------------------|----------------------|-----------------------|---------------------------------------|------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|
| 10                    | 0                    | 1100                  | 33                                    | 37                                             | 44                                             | 42                                                                | 35                                                    | 41                                                  | 35                                     | 42                                                 | 37                                                 | 42                                                        |
| 15                    | 1                    | 1200                  | 35                                    | 39                                             | 45                                             | 44                                                                | 38                                                    | 42                                                  | 38                                     | 44                                                 | 38                                                 | 44                                                        |
| 21                    | 2                    | 1300                  | 37                                    | 41                                             | 44                                             | 44                                                                | 39                                                    | 44                                                  | 39                                     | 46                                                 | 38                                                 | 44                                                        |
| 30                    | 3                    | 1400                  | 38                                    | 42                                             | 44                                             | 45                                                                | 42                                                    | 45                                                  | 42                                     | 45                                                 | 39                                                 | 46                                                        |
| 38                    | 4                    | 1500                  | 40                                    | 43                                             | 45                                             | 46                                                                | 43                                                    | 46                                                  | 43                                     | 43                                                 | 39                                                 | 46                                                        |
| 43                    | 5                    | 1600                  | 42                                    | 44                                             | 47                                             | 49                                                                | 44                                                    | 47                                                  | 44                                     | 41                                                 | 39                                                 | 41                                                        |
| 50                    | 6                    | 1700                  | 40                                    | 42                                             | 47                                             | 50                                                                | 43                                                    | 45                                                  | 44                                     | 40                                                 | 40                                                 | 39                                                        |
| 55                    | 7                    | 1800                  | 41                                    | 42                                             | 47                                             | 49                                                                | 44                                                    | 45                                                  | 43                                     | 39                                                 | 39                                                 | 39                                                        |
| 62                    | 8                    | 1900                  | 39                                    | 39                                             | 34                                             | 38                                                                | 37                                                    | 41                                                  | 41                                     | 35                                                 | 35                                                 | 35                                                        |
| 65                    | 9                    | 2000                  | 36                                    | 33                                             | 31                                             | 31                                                                | 31                                                    | 33                                                  | 36                                     | 31                                                 | 31                                                 | 30                                                        |
| 74                    | 10                   | 2100                  | 32                                    | 28                                             | 27                                             | 27                                                                | 28                                                    | 24                                                  | 29                                     | 28                                                 | 28                                                 | 28                                                        |
| 82                    | 11                   | 2200                  | 29                                    | 24                                             | 24                                             | 24                                                                | 24                                                    | 24                                                  | 24                                     | 25                                                 | 27                                                 | 25                                                        |
| 89                    | 12                   | 2300                  | 26                                    | 23                                             | 22                                             | 22                                                                | 21                                                    | 22                                                  | 24                                     | 24                                                 | 24                                                 | 24                                                        |
| 95                    | 13                   | 2400                  | 24                                    | 22                                             | 20                                             | 20                                                                | 21                                                    | 22                                                  | 22                                     | 22                                                 | 22                                                 | 21                                                        |
| 100                   | 14                   | 2500                  | 23                                    | 22                                             | 20                                             | 20                                                                | 22                                                    | 22                                                  | 22                                     | 25                                                 | 23                                                 | 25                                                        |
| 108                   | 15                   | 2600                  | 24                                    | 24                                             | 24                                             | 24                                                                | 24                                                    | 24                                                  | 24                                     | 34                                                 | 28                                                 | 31                                                        |
| 114                   | 16                   | 2700                  | 27                                    | 27                                             | 27                                             | 27                                                                | 27                                                    | 27                                                  | 27                                     | 43                                                 | 33                                                 | 41                                                        |
| 121                   | 17                   | 2800                  | 21                                    | 19                                             | 41                                             | 19                                                                | 36                                                    | 38                                                  | 31                                     | 42                                                 | 35                                                 | 42                                                        |
| 125                   | 18                   | 2900                  | 34                                    | 38                                             | 44                                             | 43                                                                | 34                                                    | 42                                                  | 36                                     | 45                                                 | 38                                                 | 44                                                        |
| 131                   | 19                   | 3000                  | 36                                    | 40                                             | 46                                             | 45                                                                | 39                                                    | 44                                                  | 38                                     | 45                                                 | 38                                                 | 47                                                        |
| 139                   | 20                   | 3100                  | 41                                    | 43                                             | 47                                             | 47                                                                | 44                                                    | 46                                                  | 40                                     | 44                                                 | 40                                                 | 44                                                        |
| 169                   | 21                   | 3200                  | 40                                    | 43                                             | 47                                             | 50                                                                | 43                                                    | 45                                                  | 42                                     | 45                                                 | 41                                                 | 47                                                        |
| 175                   | 22                   | 3300                  | 42                                    | 44                                             | 48                                             | 51                                                                | 44                                                    | 47                                                  | 44                                     | 44                                                 | 41                                                 | 45                                                        |
| 185                   | 23                   | 3400                  | 42                                    | 44                                             | 49                                             | 51                                                                | 45                                                    | 47                                                  | 45                                     | 42                                                 | 41                                                 | 41                                                        |
| 193                   | 24                   | 3500                  | 42                                    | 44                                             | 50                                             | 53                                                                | 45                                                    | 48                                                  | 46                                     | 42                                                 | 41                                                 | 41                                                        |
| 200                   | 25                   | 3600                  | 42                                    | 44                                             | 49                                             | 52                                                                | 44                                                    | 46                                                  | 44                                     | 40                                                 | 41                                                 | 39                                                        |
| 204                   | 26                   | 3700                  | 39                                    | 36                                             | 34                                             | 34                                                                | 33                                                    | 36                                                  | 38                                     | 40                                                 | 41                                                 | 40                                                        |
| 209                   | 27                   | 3800                  | 34                                    | 30                                             | 28                                             | 29                                                                | 29                                                    | 30                                                  | 31                                     | 29                                                 | 29                                                 | 28                                                        |
| 213                   | 28                   | 3900                  | 24                                    | 26                                             | 24                                             | 25                                                                | 24                                                    | 26                                                  | 27                                     | 24                                                 | 24                                                 | 25                                                        |
| 221                   | 29                   | 4000                  | 25                                    | 24                                             | 23                                             | 23                                                                | 23                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 25                                                        |
| 224                   | 30                   | 4100                  | 26                                    | 24                                             | 23                                             | 23                                                                | 24                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 24                                                        |
| 228                   | 31                   | 4200                  | 26                                    | 24                                             | 23                                             | 23                                                                | 24                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 24                                                        |
| 235                   | 32                   | 4300                  | 26                                    | 24                                             | 23                                             | 23                                                                | 24                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 24                                                        |
| 238                   | 33                   | 4400                  | 26                                    | 24                                             | 23                                             | 23                                                                | 24                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 24                                                        |
| 247                   | 34                   | 4500                  | 26                                    | 24                                             | 23                                             | 23                                                                | 24                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 24                                                        |
| 252                   | 35                   | 4600                  | 26                                    | 24                                             | 23                                             | 23                                                                | 24                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 24                                                        |
| 255                   | 36                   | 4700                  | 26                                    | 24                                             | 23                                             | 23                                                                | 24                                                    | 24                                                  | 24                                     | 23                                                 | 23                                                 | 24                                                        |

MH-51C S/N 68-10354  
 DFSEPT 1F91  
 4-6 JULY 1971  
 RUN NO. 7

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>HRS. | 1-03<br>CLOCK<br>TIME | 6-24<br>ENG.1<br>COMPR<br>LOWER<br>AFT<br>ATRTP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>4.30<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|-----------------------|----------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 10                    | 0                    | 1100                  | 16                                                       | 38                                                     | 40                                                      | 39                                                      | 39                                                      | *                                                       | *                                                        |
| 15                    | 1                    | 1100                  | 38                                                       | 41                                                     | 41                                                      | 41                                                      | 41                                                      | 46                                                      | 46                                                       |
| 21                    | 2                    | 1100                  | 39                                                       | 41                                                     | 42                                                      | 42                                                      | 43                                                      | 42                                                      | 47                                                       |
| 30                    | 3                    | 1100                  | 40                                                       | 41                                                     | 43                                                      | 43                                                      | 43                                                      | 43                                                      | 48                                                       |
| 38                    | 4                    | 1100                  | 39                                                       | 42                                                     | 44                                                      | 44                                                      | 44                                                      | 44                                                      | 48                                                       |
| 43                    | 5                    | 1100                  | 39                                                       | 42                                                     | 44                                                      | 44                                                      | 44                                                      | 43                                                      | 46                                                       |
| 50                    | 6                    | 1100                  | 34                                                       | 43                                                     | 44                                                      | 44                                                      | 44                                                      | 43                                                      | 43                                                       |
| 55                    | 7                    | 1100                  | 40                                                       | 43                                                     | 44                                                      | 44                                                      | 44                                                      | 43                                                      | 43                                                       |
| 62                    | 8                    | 1100                  | 36                                                       | 41                                                     | 41                                                      | 41                                                      | 42                                                      | *                                                       | *                                                        |
| 65                    | 9                    | 1100                  | 31                                                       | 37                                                     | 36                                                      | 37                                                      | 37                                                      | 36                                                      | 36                                                       |
| 74                    | 10                   | 1100                  | 27                                                       | 32                                                     | 32                                                      | 33                                                      | 33                                                      | 32                                                      | 33                                                       |
| 82                    | 11                   | 1100                  | 27                                                       | 31                                                     | 30                                                      | 31                                                      | 31                                                      | 30                                                      | 31                                                       |
| 89                    | 12                   | 1100                  | 27                                                       | 26                                                     | 26                                                      | 27                                                      | 27                                                      | 27                                                      | 29                                                       |
| 95                    | 13                   | 1100                  | 21                                                       | 25                                                     | 25                                                      | 25                                                      | 25                                                      | 26                                                      | 27                                                       |
| 100                   | 14                   | 1100                  | 23                                                       | 25                                                     | 24                                                      | 25                                                      | 25                                                      | 26                                                      | 28                                                       |
| 104                   | 15                   | 1100                  | 26                                                       | 27                                                     | 28                                                      | 27                                                      | 28                                                      | 29                                                      | 31                                                       |
| 114                   | 16                   | 1100                  | 31                                                       | 30                                                     | 32                                                      | 31                                                      | 32                                                      | 32                                                      | 36                                                       |
| 121                   | 17                   | 1100                  | 35                                                       | 34                                                     | 36                                                      | 36                                                      | 36                                                      | 35                                                      | 41                                                       |
| 125                   | 18                   | 1100                  | 38                                                       | 34                                                     | 40                                                      | 39                                                      | 40                                                      | 38                                                      | 46                                                       |
| 131                   | 19                   | 1100                  | 40                                                       | 41                                                     | 43                                                      | 42                                                      | 42                                                      | 41                                                      | 47                                                       |
| 134                   | 20                   | 1100                  | 40                                                       | 42                                                     | 43                                                      | 43                                                      | 44                                                      | 42                                                      | 47                                                       |
| 139                   | 21                   | 1100                  | 40                                                       | 44                                                     | 45                                                      | 44                                                      | 44                                                      | 44                                                      | 47                                                       |
| 149                   | 22                   | 1100                  | 41                                                       | 44                                                     | 45                                                      | 45                                                      | 45                                                      | 44                                                      | 49                                                       |
| 155                   | 23                   | 1100                  | 40                                                       | 46                                                     | 47                                                      | 46                                                      | 46                                                      | 43                                                      | 46                                                       |
| 165                   | 24                   | 1100                  | 41                                                       | 45                                                     | 47                                                      | 46                                                      | 46                                                      | 45                                                      | 45                                                       |
| 180                   | 25                   | 1100                  | 41                                                       | 45                                                     | 45                                                      | 45                                                      | 45                                                      | 44                                                      | 43                                                       |
| 200                   | 26                   | 1100                  | 40                                                       | 45                                                     | 40                                                      | 40                                                      | 40                                                      | 39                                                      | 40                                                       |
| 204                   | 27                   | 1100                  | 29                                                       | 34                                                     | 34                                                      | 35                                                      | 35                                                      | 36                                                      | 35                                                       |
| 209                   | 28                   | 1100                  | 26                                                       | 30                                                     | 29                                                      | 30                                                      | 30                                                      | 30                                                      | 31                                                       |
| 214                   | 29                   | 1100                  | 23                                                       | 27                                                     | 27                                                      | 27                                                      | 27                                                      | 28                                                      | 28                                                       |
| 223                   | 30                   | 1100                  | 24                                                       | 30                                                     | 30                                                      | 30                                                      | 30                                                      | 31                                                      | 35                                                       |
| 224                   | 31                   | 1100                  | 31                                                       | 33                                                     | 35                                                      | 34                                                      | 34                                                      | 32                                                      | 36                                                       |
| 235                   | 32                   | 1100                  | 34                                                       | 37                                                     | 38                                                      | 37                                                      | 38                                                      | 34                                                      | 37                                                       |
| 238                   | 33                   | 1100                  | 36                                                       | 38                                                     | 40                                                      | 40                                                      | 40                                                      | 39                                                      | 45                                                       |
| 247                   | 34                   | 1100                  | 34                                                       | 34                                                     | 40                                                      | 40                                                      | 40                                                      | 39                                                      | 45                                                       |
| 252                   | 35                   | 1100                  | 34                                                       | 34                                                     | 40                                                      | 40                                                      | 40                                                      | 39                                                      | 45                                                       |
| 255                   | 36                   | 1100                  | 34                                                       | 34                                                     | 40                                                      | 40                                                      | 40                                                      | 39                                                      | 45                                                       |

**RUN 8, 36 TO 47°C, 7 JULY 1971**

Soak time 6 hours

Test Synopsis:

This run presents engine and nose gearbox oil overtemperature conditions caused by hovering flight (especially downwind hover).

Pertinent information.

Both engines have -13 fuel control and EAPS.

Defective test parameters not presented (unless indicated otherwise).

- 1-13 - Engine No. 2 power turbine speed.
- 4-13 - Second stage hydraulic pump outlet temperature.
- 5-15 - Accessory gearbox oil temperature.
- 6-13 - Engine No. 1 inlet lip surface temperature (12 o'clock position).
- 7-12 - Engine No. 1 compressor 3rd stage cast temperature (3 o'clock position).
- 7-16 - Engine No. 1 compressor 4th stage case temperature (4:30 o'clock position).
- 7-19 - Engine No. 1 compressor 5th stage case temperature (3 o'clock position).
- 7-20 - Engine No. 1 compressor 5th stage case temperature (4:30 o'clock position).
- 8-28 - Engine No. 2 T<sub>5</sub> harness temperature (9 o'clock position).

Test parameters not connected or not presented.

- 2-19 through 2-26 - Heater output airflow differential pressure (not presented).
- 3-05 through 3-12 - Heater output temperature (not presented).
- 5-21 - Fuel temperature to heater (not presented).
- 6-05 and 6-06 - Engine fuel control discharge temperature (not connected).

Event Sheet:

| <u>CTR</u> | <u>Event</u>                                    |
|------------|-------------------------------------------------|
| 38         | Crew door and rear ramp and ramp door - open    |
| 47         | APP - start                                     |
| 70-76      | Engine starters - check operation (EAPS open)   |
| 80         | Engine No. 2 - start (rotor brake off)          |
| 90         | APP - OFF                                       |
| 102        | EAPS - closed                                   |
| 104        | Rear ramp and bottom half of crew door - closed |

| <u>CTR</u> | <u>Event</u>                                     |
|------------|--------------------------------------------------|
| 116        | Liftoff, hover upwind (in ground effect)         |
| 123        | Engine No. 2 nose gearbox caution (hot) light on |
| 131        | Hover downwind (in ground effect)                |
| 139        | Hover up wind (in ground effect)                 |
| 146        | Sideward flight                                  |
| 168        | Hover upwind (out of ground effect), EAPS open   |
| 185        | Operate hoist (unloaded)                         |
| 196        | EAPS - closed                                    |
| 199        | Land                                             |
| 207        | Takeoff                                          |
| 208        | EAPS - open                                      |
| 212        | Hover upwind (out of ground effect)              |
| 216        | Operate hoist with 150-pound load                |
| 217        | Engine No. 2 nose gearbox caution (hot) light on |
| 232        | Landing pattern to base                          |
| 233-240    | Operate refueling probe                          |
| 246        | Hover upwind (out of ground effect)              |
| 247-257    | Operate hoist with 300-pound load                |
| 265        | EAPS - closed                                    |
| 269        | Land                                             |
| 279        | Takeoff and hover (out of ground effect)         |
| 288-312    | Operate hoist with 450-pound load                |
| 313        | EAPS - closed                                    |
| 314        | Land                                             |
| 325        | Takeoff                                          |
| 327        | EAPS - open                                      |
| 329        | Hover (out of ground effect)                     |
| 334        | Sideward flight (out of ground effect)           |
| 352        | Land, EAPS closed                                |
| 360        | APP - start                                      |
| 365        | Engines - shutdown                               |
| 380        | APP - shutdown, end test                         |

WH-530 S/N 68-10354  
 OFSERT TEST  
 7 JULY 1971  
 RUN NO. 8

| 1-01<br>DEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(INC) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(M5)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-13<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|-------------------------------|-----------------------------------------|------------------------------------|--------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 39                    | 1                    |                      | 45                                          | *                             | *                                       | *                                  | *                                                | 64                                                       | *                                       | *                                       | *                                  | 65                                                       |
| 40                    | 1                    | 23                   | 45                                          | *                             | *                                       | *                                  | *                                                | 63                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 41                    | 1                    | 44                   | 45                                          | *                             | *                                       | *                                  | *                                                | 64                                                       | *                                       | *                                       | *                                  | 64                                                       |
| 42                    | 2                    | 6                    | 45                                          | *                             | *                                       | *                                  | *                                                | 58                                                       | *                                       | *                                       | *                                  | 65                                                       |
| 43                    | 2                    | 27                   | 45                                          | *                             | *                                       | *                                  | *                                                | 62                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 44                    | 2                    | 49                   | 45                                          | *                             | *                                       | *                                  | *                                                | 63                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 45                    | 3                    | 10                   | 45                                          | *                             | *                                       | *                                  | *                                                | 62                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 46                    | 3                    | 32                   | 45                                          | *                             | *                                       | *                                  | *                                                | 60                                                       | *                                       | *                                       | *                                  | 65                                                       |
| 47                    | 3                    | 53                   | 45                                          | *                             | *                                       | *                                  | *                                                | 63                                                       | *                                       | *                                       | *                                  | 66                                                       |
| 48                    | 4                    | 14                   | 45                                          | *                             | *                                       | *                                  | *                                                | 63                                                       | *                                       | *                                       | *                                  | 66                                                       |
| 49                    | 4                    | 36                   | 45                                          | *                             | *                                       | *                                  | *                                                | 58                                                       | *                                       | *                                       | *                                  | 68                                                       |
| 50                    | 4                    | 57                   | 45                                          | *                             | *                                       | *                                  | *                                                | 60                                                       | *                                       | *                                       | *                                  | 68                                                       |
| 51                    | 5                    | 19                   | 45                                          | *                             | *                                       | *                                  | *                                                | 62                                                       | *                                       | *                                       | *                                  | 66                                                       |
| 52                    | 5                    | 40                   | 45                                          | *                             | *                                       | *                                  | *                                                | 62                                                       | *                                       | *                                       | *                                  | 69                                                       |
| 53                    | 6                    | 23                   | 45                                          | *                             | *                                       | *                                  | *                                                | 58                                                       | *                                       | *                                       | *                                  | 65                                                       |
| 54                    | 6                    | 45                   | 45                                          | *                             | *                                       | *                                  | *                                                | 49                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 55                    | 7                    | 6                    | 45                                          | *                             | *                                       | *                                  | *                                                | 48                                                       | *                                       | *                                       | *                                  | 54                                                       |
| 56                    | 7                    | 27                   | 45                                          | *                             | *                                       | *                                  | *                                                | 49                                                       | *                                       | *                                       | *                                  | 56                                                       |
| 57                    | 7                    | 48                   | 45                                          | *                             | *                                       | *                                  | *                                                | 44                                                       | *                                       | *                                       | *                                  | 53                                                       |
| 58                    | 8                    | 9                    | 45                                          | *                             | *                                       | *                                  | *                                                | 47                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 59                    | 8                    | 30                   | 45                                          | *                             | *                                       | *                                  | *                                                | 47                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 60                    | 8                    | 52                   | 45                                          | *                             | *                                       | *                                  | *                                                | 48                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 61                    | 9                    | 13                   | 46                                          | *                             | *                                       | *                                  | *                                                | 47                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 62                    | 9                    | 34                   | 46                                          | *                             | *                                       | *                                  | *                                                | 46                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 63                    | 9                    | 55                   | 47                                          | *                             | *                                       | *                                  | *                                                | 50                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 64                    | 9                    | 37                   | 47                                          | *                             | *                                       | *                                  | *                                                | 45                                                       | *                                       | *                                       | *                                  | 54                                                       |
| 65                    | 10                   | 16                   | 47                                          | *                             | *                                       | *                                  | *                                                | 45                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 66                    | 10                   | 37                   | 47                                          | *                             | *                                       | *                                  | *                                                | 45                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 67                    | 11                   | 19                   | 47                                          | *                             | *                                       | *                                  | *                                                | 47                                                       | *                                       | *                                       | *                                  | 56                                                       |
| 68                    | 11                   | 41                   | 47                                          | *                             | *                                       | *                                  | *                                                | 47                                                       | *                                       | *                                       | *                                  | 53                                                       |
| 69                    | 12                   | 2                    | 47                                          | *                             | *                                       | *                                  | *                                                | 45                                                       | *                                       | *                                       | *                                  | 50                                                       |
| 70                    | 12                   | 23                   | 47                                          | 26                            | *                                       | *                                  | *                                                | 54                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 71                    | 12                   | 44                   | 47                                          | 19                            | *                                       | *                                  | *                                                | 54                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 72                    | 13                   | 5                    | 47                                          | *                             | *                                       | *                                  | *                                                | 55                                                       | *                                       | *                                       | *                                  | 55                                                       |
| 73                    | 13                   | 26                   | 47                                          | *                             | *                                       | *                                  | *                                                | 52                                                       | 11                                      | *                                       | *                                  | 54                                                       |
| 74                    | 13                   | 48                   | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       | 29                                      | 46                                      | *                                  | 55                                                       |
| 75                    | 13                   | 9                    | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       | 15                                      | *                                       | *                                  | 64                                                       |
| 76                    | 14                   | 30                   | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       | *                                       | *                                       | *                                  | 64                                                       |
| 77                    | 14                   | 51                   | 47                                          | *                             | *                                       | *                                  | *                                                | 55                                                       | *                                       | *                                       | *                                  | 64                                                       |
| 78                    | 15                   | 12                   | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       | *                                       | *                                       | *                                  | 64                                                       |
| 79                    | 15                   | 33                   | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       | *                                       | *                                       | *                                  | 64                                                       |
| 80                    | 15                   | 54                   | 47                                          | *                             | *                                       | *                                  | *                                                | 53                                                       | 23                                      | 62                                      | *                                  | 61                                                       |
| 81                    | 16                   | 16                   | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       | 51                                      | 233                                     | 20                                 | 281                                                      |
| 82                    | 16                   | 37                   | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       | 68                                      | 293                                     | 11                                 | 514                                                      |
| 83                    | 16                   | 57                   | 47                                          | *                             | *                                       | *                                  | *                                                | 54                                                       |                                         |                                         |                                    |                                                          |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>TURB<br>SPEED<br>RPM | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG) | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|---------------------------------------|----------------------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 84                    | 15                   | 58                   | 47                                          | *                            | *                                       | *                                  | *                                     | 55                                                       | 64                           | 293                                     | 0                                  | 510                                                      |
| 85                    | 17                   | 19                   | 47                                          | *                            | *                                       | *                                  | *                                     | 57                                                       | 71                           | 291                                     | 0                                  | 515                                                      |
| 86                    | 17                   | 40                   | 47                                          | *                            | *                                       | *                                  | *                                     | 55                                                       | 68                           | 291                                     | 7                                  | 523                                                      |
| 87                    | 18                   | 1                    | 47                                          | *                            | *                                       | *                                  | *                                     | 57                                                       | 71                           | 291                                     | 7                                  | 528                                                      |
| 88                    | 18                   | 22                   | 47                                          | *                            | *                                       | *                                  | *                                     | 55                                                       | 69                           | 291                                     | 0                                  | 531                                                      |
| 89                    | 18                   | 43                   | 47                                          | *                            | *                                       | *                                  | *                                     | 55                                                       | 68                           | 788                                     | 42                                 | 535                                                      |
| 90                    | 19                   | 5                    | 47                                          | *                            | *                                       | *                                  | *                                     | 53                                                       | 68                           | 827                                     | 36                                 | 536                                                      |
| 91                    | 19                   | 26                   | 47                                          | *                            | *                                       | *                                  | *                                     | 54                                                       | 66                           | 723                                     | 28                                 | 524                                                      |
| 92                    | 19                   | 47                   | 47                                          | 15                           | *                                       | *                                  | *                                     | 57                                                       | 67                           | 756                                     | 30                                 | 529                                                      |
| 93                    | 20                   | 8                    | 47                                          | 47                           | 224                                     | 1                                  | 35                                    | 298                                                      | 88                           | 756                                     | 29                                 | 529                                                      |
| 94                    | 20                   | 29                   | 47                                          | 67                           | 289                                     | 0                                  | 67                                    | 494                                                      | 87                           | 733                                     | 27                                 | 525                                                      |
| 95                    | 20                   | 50                   | 47                                          | 78                           | 425                                     | 3                                  | 98                                    | 478                                                      | 87                           | 726                                     | 26                                 | 525                                                      |
| 96                    | 21                   | 11                   | 47                                          | 88                           | 661                                     | 21                                 | 104                                   | 485                                                      | 83                           | 478                                     | 2                                  | 473                                                      |
| 97                    | 21                   | 32                   | 47                                          | 86                           | 776                                     | 30                                 | 104                                   | 518                                                      | 79                           | 379                                     | *                                  | 455                                                      |
| 98                    | 21                   | 53                   | 47                                          | 78                           | 379                                     | 2                                  | *                                     | 453                                                      | 87                           | 758                                     | 28                                 | 523                                                      |
| 99                    | 21                   | 35                   | 47                                          | 84                           | 568                                     | 14                                 | 102                                   | 466                                                      | 85                           | 585                                     | 14                                 | 479                                                      |
| 100                   | 22                   | 56                   | 47                                          | 86                           | 721                                     | 27                                 | *                                     | 491                                                      | 80                           | 498                                     | 16                                 | 485                                                      |
| 101                   | 22                   | 17                   | 47                                          | 84                           | 565                                     | 15                                 | 103                                   | 465                                                      | 84                           | 582                                     | 14                                 | 480                                                      |
| 102                   | 23                   | 38                   | 47                                          | 84                           | 573                                     | 15                                 | 102                                   | 467                                                      | 86                           | 585                                     | 14                                 | 484                                                      |
| 103                   | 23                   | 59                   | 47                                          | 84                           | 568                                     | 15                                 | 103                                   | 468                                                      | 85                           | 582                                     | 14                                 | 485                                                      |
| 104                   | 23                   | 20                   | 47                                          | 84                           | 565                                     | 14                                 | 102                                   | 465                                                      | 91                           | 585                                     | 14                                 | 484                                                      |
| 105                   | 24                   | 41                   | 47                                          | 84                           | 565                                     | 15                                 | 103                                   | 466                                                      | 85                           | 585                                     | 14                                 | 479                                                      |
| 106                   | 24                   | 1                    | 47                                          | 84                           | 568                                     | 14                                 | 102                                   | 465                                                      | 85                           | 583                                     | 14                                 | 485                                                      |
| 107                   | 25                   | 2                    | 47                                          | 84                           | 574                                     | 16                                 | 102                                   | 463                                                      | 85                           | 589                                     | 16                                 | 483                                                      |
| 108                   | 25                   | 23                   | 47                                          | 84                           | 581                                     | 16                                 | 103                                   | 476                                                      | 86                           | 608                                     | 16                                 | 500                                                      |
| 109                   | 25                   | 44                   | 47                                          | 85                           | 603                                     | 18                                 | *                                     | 472                                                      | 86                           | 626                                     | 18                                 | 494                                                      |
| 110                   | 26                   | 5                    | 48                                          | 85                           | 571                                     | 15                                 | *                                     | 471                                                      | 85                           | 591                                     | 15                                 | 488                                                      |
| 111                   | *                    | 47                   | 48                                          | 84                           | 566                                     | 14                                 | 103                                   | 465                                                      | 84                           | 587                                     | 14                                 | 485                                                      |
| 112                   | 26                   | 47                   | 48                                          | 85                           | 580                                     | 15                                 | 103                                   | 473                                                      | 86                           | 603                                     | 16                                 | 487                                                      |
| 113                   | 27                   | 6                    | 49                                          | 85                           | 571                                     | 14                                 | 103                                   | 481                                                      | 85                           | 591                                     | 14                                 | 490                                                      |
| 114                   | 27                   | 29                   | 50                                          | 91                           | 573                                     | 15                                 | 103                                   | 484                                                      | 86                           | 585                                     | 14                                 | 438                                                      |
| 115                   | 27                   | 50                   | 52                                          | 88                           | 753                                     | 36                                 | 103                                   | 508                                                      | 88                           | 884                                     | 42                                 | 525                                                      |
| 116                   | 28                   | 11                   | 53                                          | 96                           | 1362                                    | 79                                 | 102                                   | 669                                                      | 95                           | 1320                                    | 79                                 | 672                                                      |
| 117                   | 28                   | 28                   | 52                                          | 96                           | 1415                                    | 84                                 | *                                     | 682                                                      | 96                           | 1366                                    | 84                                 | 689                                                      |
| 118                   | 28                   | 52                   | 51                                          | 96                           | 1433                                    | 86                                 | *                                     | 685                                                      | 96                           | 1387                                    | 86                                 | 692                                                      |
| 119                   | 29                   | 14                   | 51                                          | 96                           | 1424                                    | 85                                 | 102                                   | 679                                                      | 95                           | 1375                                    | 87                                 | 685                                                      |
| 120                   | 29                   | 35                   | 50                                          | 96                           | 1459                                    | 86                                 | *                                     | 699                                                      | 97                           | 1401                                    | 85                                 | 691                                                      |
| 121                   | 29                   | 56                   | 50                                          | 96                           | 1445                                    | 86                                 | 101                                   | 683                                                      | 96                           | 1383                                    | 87                                 | 690                                                      |
| 122                   | 30                   | 30                   | 49                                          | 102                          | 1454                                    | 87                                 | 101                                   | 690                                                      | 94                           | 1387                                    | 86                                 | 692                                                      |
| 123                   | 30                   | 0                    | 49                                          | 96                           | 1426                                    | 85                                 | 102                                   | 684                                                      | 96                           | 1359                                    | 83                                 | 685                                                      |
| 124                   | 31                   | 21                   | 49                                          | 97                           | 1440                                    | 86                                 | 101                                   | 669                                                      | 95                           | 1388                                    | 83                                 | 689                                                      |
| 125                   | 31                   | 42                   | 50                                          | 98                           | 1461                                    | 89                                 | 100                                   | 696                                                      | 95                           | 1366                                    | 82                                 | 699                                                      |
| 126                   | 31                   | 7                    | 49                                          | 96                           | 1440                                    | 86                                 | 101                                   | 687                                                      | 96                           | 1396                                    | 87                                 | 695                                                      |
| 127                   | 32                   | 24                   | 49                                          | 96                           | 1422                                    | 85                                 | 102                                   | 679                                                      | 92                           | 1382                                    | 87                                 | 689                                                      |
| 128                   | 32                   | 46                   | 49                                          | 96                           | 1415                                    | 84                                 | 102                                   | 679                                                      | 96                           | 1378                                    | 86                                 | 690                                                      |
| 129                   | 32                   | 66                   | 49                                          | 96                           | 1424                                    | 86                                 | *                                     | 687                                                      | 96                           | 1389                                    | 89                                 | 692                                                      |
| 130                   | 33                   | 7                    | 49                                          | 96                           | 1424                                    | 86                                 | 101                                   | 682                                                      | 95                           | 1380                                    | 86                                 | 689                                                      |
| 131                   | 33                   | 28                   | 49                                          | 96                           | 1424                                    | 84                                 | 101                                   | 693                                                      | 97                           | 1424                                    | 88                                 | 699                                                      |
| 132                   | 33                   | 43                   | 49                                          | 96                           | 1425                                    | 85                                 | 100                                   | 708                                                      | 97                           | 1410                                    | 86                                 | 716                                                      |
| 133                   | 34                   | 10                   | 49                                          | 97                           | 1465                                    | 85                                 | 100                                   | 705                                                      | 99                           | 1403                                    | 89                                 | 720                                                      |
| 134                   | 34                   | 31                   | 50                                          | 97                           | 1486                                    | 91                                 | *                                     |                                                          |                              |                                         |                                    |                                                          |



| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(N2) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>TUEB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(N2)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 135                   | 34                   | 53                   | 50                                          | 97                           | 1489                                    | 89                                 | 100                                                               | 709                                                      | 97                                      | 1408                                    | 86                                 | 725                                                      |
| 136                   | 35                   | 14                   | 51                                          | 97                           | 1463                                    | 87                                 | 100                                                               | 706                                                      | 96                                      | 1396                                    | 86                                 | 714                                                      |
| 137                   | 35                   | 35                   | 51                                          | 99                           | *                                       | 89                                 | 100                                                               | 713                                                      | 98                                      | 1412                                    | 87                                 | 716                                                      |
| 138                   | 35                   | 56                   | 51                                          | 98                           | 1461                                    | 85                                 | 101                                                               | 709                                                      | 97                                      | 1401                                    | 87                                 | 711                                                      |
| 139                   | 36                   | 17                   | 51                                          | 102                          | 1445                                    | 86                                 | 101                                                               | 701                                                      | 97                                      | 1368                                    | 83                                 | 710                                                      |
| 140                   | 36                   | 38                   | 51                                          | 97                           | 1445                                    | 87                                 | *                                                                 | 689                                                      | 97                                      | 1392                                    | 87                                 | 695                                                      |
| 141                   | 36                   | 0                    | 50                                          | 96                           | 1401                                    | 82                                 | 101                                                               | 678                                                      | 96                                      | 1371                                    | 83                                 | 692                                                      |
| 142                   | 37                   | 21                   | 51                                          | 96                           | 1424                                    | 83                                 | 102                                                               | 676                                                      | 97                                      | 1412                                    | 89                                 | 694                                                      |
| 143                   | 37                   | 42                   | 51                                          | 97                           | 1422                                    | 84                                 | *                                                                 | 679                                                      | 97                                      | 1485                                    | 87                                 | 697                                                      |
| 144                   | 38                   | 3                    | 50                                          | 96                           | 1429                                    | 85                                 | 101                                                               | 674                                                      | 96                                      | 1408                                    | 89                                 | 695                                                      |
| 145                   | 38                   | 24                   | 50                                          | 96                           | 1394                                    | 81                                 | 101                                                               | 674                                                      | 97                                      | 1387                                    | 84                                 | 687                                                      |
| 146                   | 38                   | 45                   | 50                                          | 96                           | 1399                                    | 82                                 | 101                                                               | 675                                                      | 96                                      | 1387                                    | 87                                 | 695                                                      |
| 147                   | 38                   | 6                    | 50                                          | 96                           | 1417                                    | 84                                 | 102                                                               | 675                                                      | 97                                      | 1410                                    | 88                                 | 689                                                      |
| 148                   | 39                   | 27                   | 50                                          | 96                           | 1380                                    | 79                                 | 100                                                               | 678                                                      | 95                                      | 1378                                    | 88                                 | 689                                                      |
| 149                   | 39                   | 49                   | 50                                          | 95                           | 1343                                    | 77                                 | 102                                                               | 655                                                      | 97                                      | 1382                                    | 84                                 | 681                                                      |
| 150                   | 40                   | 10                   | 50                                          | 96                           | 1477                                    | 88                                 | 101                                                               | 693                                                      | 97                                      | 1459                                    | 91                                 | 710                                                      |
| 151                   | 40                   | 31                   | 50                                          | 97                           | 1459                                    | 89                                 | 101                                                               | 687                                                      | 99                                      | 1429                                    | 92                                 | 686                                                      |
| 152                   | 40                   | 52                   | 50                                          | 97                           | 1514                                    | 94                                 | 100                                                               | 703                                                      | 97                                      | 1503                                    | 100                                | 715                                                      |
| 153                   | 41                   | 13                   | 50                                          | 97                           | 1543                                    | 96                                 | 100                                                               | 699                                                      | 97                                      | 1526                                    | 100                                | 702                                                      |
| 154                   | 41                   | 34                   | 51                                          | 96                           | 1403                                    | 84                                 | 101                                                               | 678                                                      | 95                                      | 1382                                    | 85                                 | 689                                                      |
| 155                   | 41                   | 55                   | 50                                          | 95                           | 1343                                    | 68                                 | 101                                                               | 668                                                      | 95                                      | 1255                                    | 67                                 | 677                                                      |
| 156                   | 42                   | 16                   | 50                                          | 97                           | 1463                                    | 91                                 | 100                                                               | 674                                                      | 99                                      | 1424                                    | 93                                 | 680                                                      |
| 157                   | 42                   | 37                   | 50                                          | 94                           | 1285                                    | 72                                 | 102                                                               | 658                                                      | 94                                      | 1281                                    | 77                                 | 667                                                      |
| 158                   | 42                   | 50                   | 50                                          | 97                           | 1489                                    | 93                                 | 102                                                               | 684                                                      | 96                                      | 1491                                    | 95                                 | 695                                                      |
| 159                   | 43                   | 20                   | 50                                          | 96                           | 1417                                    | 84                                 | 101                                                               | 690                                                      | 96                                      | 1408                                    | 89                                 | 694                                                      |
| 160                   | 43                   | 41                   | 49                                          | 94                           | 1241                                    | 67                                 | 102                                                               | 651                                                      | 94                                      | 1239                                    | 67                                 | 660                                                      |
| 161                   | 44                   | 2                    | 50                                          | 94                           | 1364                                    | 70                                 | 101                                                               | 673                                                      | 96                                      | 1352                                    | 82                                 | 685                                                      |
| 162                   | 44                   | 23                   | 49                                          | 95                           | 1331                                    | 70                                 | 101                                                               | 672                                                      | 96                                      | 1281                                    | 78                                 | 689                                                      |
| 163                   | 44                   | 44                   | 50                                          | 96                           | 1241                                    | 69                                 | 101                                                               | 672                                                      | 96                                      | 1298                                    | 73                                 | 686                                                      |
| 164                   | 45                   | 5                    | 50                                          | 95                           | 1331                                    | 77                                 | 101                                                               | 662                                                      | 95                                      | 1313                                    | 78                                 | 672                                                      |
| 165                   | 45                   | 26                   | 50                                          | 95                           | 1318                                    | 75                                 | *                                                                 | 663                                                      | 95                                      | 1308                                    | 77                                 | 675                                                      |
| 166                   | 45                   | 47                   | 50                                          | 95                           | 1419                                    | 85                                 | 101                                                               | 678                                                      | 96                                      | 1399                                    | 91                                 | 687                                                      |
| 167                   | 46                   | 8                    | 50                                          | 96                           | 1584                                    | 98                                 | 100                                                               | 719                                                      | 102                                     | 1551                                    | 102                                | 719                                                      |
| 168                   | 46                   | 30                   | 50                                          | 97                           | 1530                                    | 93                                 | 101                                                               | 706                                                      | 97                                      | 1512                                    | 97                                 | 720                                                      |
| 169                   | 46                   | 51                   | 48                                          | 95                           | 1471                                    | 88                                 | 102                                                               | 689                                                      | 97                                      | 1459                                    | 94                                 | 700                                                      |
| 170                   | 47                   | 12                   | 46                                          | 97                           | 1519                                    | 95                                 | 100                                                               | 696                                                      | 99                                      | 1533                                    | 99                                 | 707                                                      |
| 171                   | 47                   | 33                   | 47                                          | 99                           | 1521                                    | 93                                 | 101                                                               | 706                                                      | 96                                      | 1456                                    | 93                                 | 711                                                      |
| 172                   | 47                   | 54                   | 48                                          | 99                           | 1568                                    | 99                                 | 100                                                               | 715                                                      | 97                                      | 1560                                    | 102                                | 721                                                      |
| 173                   | 47                   | 15                   | 47                                          | 94                           | 1318                                    | 75                                 | 102                                                               | 653                                                      | 92                                      | 1233                                    | 74                                 | 664                                                      |
| 174                   | 48                   | 36                   | 46                                          | 97                           | 1526                                    | 95                                 | 102                                                               | 698                                                      | 96                                      | 1456                                    | 96                                 | 685                                                      |
| 175                   | 48                   | 57                   | 47                                          | 97                           | 1574                                    | 98                                 | 100                                                               | 713                                                      | 96                                      | 1508                                    | 98                                 | 711                                                      |
| 176                   | 49                   | 17                   | 48                                          | 97                           | 1535                                    | 95                                 | 100                                                               | 703                                                      | 97                                      | 1486                                    | 95                                 | 699                                                      |
| 177                   | 49                   | 40                   | 48                                          | 97                           | 1565                                    | 98                                 | 100                                                               | 709                                                      | 96                                      | 1496                                    | 98                                 | 702                                                      |
| 178                   | 50                   | 1                    | 48                                          | 98                           | 1605                                    | 92                                 | 100                                                               | 700                                                      | 97                                      | 1412                                    | 90                                 | 692                                                      |
| 179                   | 50                   | 22                   | 48                                          | 98                           | 1573                                    | 97                                 | 100                                                               | 714                                                      | 96                                      | 1482                                    | 93                                 | 710                                                      |
| 180                   | 50                   | 43                   | 48                                          | 97                           | 1542                                    | 95                                 | 99                                                                | 704                                                      | 97                                      | 1489                                    | 97                                 | 707                                                      |
| 181                   | 51                   | 4                    | 48                                          | 99                           | 1595                                    | 103                                | 100                                                               | 716                                                      | 97                                      | 1574                                    | 105                                | 720                                                      |
| 182                   | 51                   | 25                   | 49                                          | 97                           | 1559                                    | 96                                 | 100                                                               | 710                                                      | 96                                      | 1503                                    | 90                                 | 711                                                      |
| 183                   | 51                   | 46                   | 49                                          | 97                           | 1512                                    | 91                                 | 101                                                               | 701                                                      | 96                                      | 1442                                    | 92                                 | 702                                                      |
| 184                   | 52                   | 7                    | 48                                          | 96                           | 1484                                    | 89                                 | 100                                                               | 694                                                      | 96                                      | 1431                                    | 89                                 | 700                                                      |

| -81<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NGI) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TORQUE<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NGI)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------|-------------------------------|-----------------------------------------|------------------------------------|-------------------------------------------------------------|--------------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------|--------------------------------------------------|
| 185                   | 52                   | 29                   | 43                                   | 96                            | 1475                                    | 90                                 | 101                                                         | 687                                              | 95                                       | 1447                                    | 94                                 | 697                                              |
| 186                   | 52                   | 50                   | 48                                   | 96                            | 1463                                    | 88                                 | *                                                           | 687                                              | 96                                       | 1415                                    | 94                                 | 695                                              |
| 187                   | 53                   | 11                   | 48                                   | 96                            | 1468                                    | 89                                 | 100                                                         | 688                                              | 96                                       | 1429                                    | 90                                 | 700                                              |
| 188                   | 53                   | 32                   | 48                                   | 97                            | 1493                                    | 90                                 | 101                                                         | 695                                              | 96                                       | 1445                                    | 91                                 | 702                                              |
| 189                   | 53                   | 53                   | 48                                   | 97                            | 1510                                    | 92                                 | 102                                                         | 696                                              | 96                                       | 1463                                    | 94                                 | 706                                              |
| 190                   | 54                   | 14                   | 48                                   | 97                            | 1484                                    | 90                                 | 101                                                         | 693                                              | 99                                       | 1442                                    | 91                                 | 699                                              |
| 191                   | 54                   | 35                   | 47                                   | 97                            | 1505                                    | 92                                 | 102                                                         | 691                                              | 96                                       | 1468                                    | 95                                 | 702                                              |
| 192                   | 54                   | 56                   | 44                                   | 96                            | 1470                                    | 89                                 | 100                                                         | 688                                              | 96                                       | 1429                                    | 92                                 | 695                                              |
| 193                   | 55                   | 17                   | 47                                   | 96                            | 1470                                    | 89                                 | 100                                                         | 689                                              | 96                                       | 1431                                    | 91                                 | 699                                              |
| 194                   | 55                   | 38                   | 47                                   | 97                            | 1544                                    | 97                                 | 100                                                         | 693                                              | 98                                       | 1507                                    | 99                                 | 707                                              |
| 195                   | 55                   | 59                   | 47                                   | 97                            | 1544                                    | 96                                 | 100                                                         | 701                                              | 97                                       | 1507                                    | 98                                 | 707                                              |
| 196                   | 56                   | 20                   | 47                                   | 96                            | 1493                                    | 92                                 | 100                                                         | 693                                              | 96                                       | 1456                                    | 94                                 | 704                                              |
| 197                   | 56                   | 42                   | 47                                   | 97                            | 1496                                    | 87                                 | *                                                           | 693                                              | 99                                       | 1440                                    | 88                                 | 699                                              |
| 198                   | 57                   | 3                    | 46                                   | 95                            | 1329                                    | 77                                 | 101                                                         | 659                                              | 94                                       | 1283                                    | 77                                 | 666                                              |
| 199                   | 57                   | 24                   | 47                                   | 95                            | 1283                                    | 74                                 | 101                                                         | 664                                              | 94                                       | 1232                                    | 72                                 | 649                                              |
| 200                   | 57                   | 45                   | 47                                   | 92                            | 1066                                    | 55                                 | 103                                                         | 602                                              | 84                                       | 1024                                    | 52                                 | 605                                              |
| 201                   | 58                   | 6                    | 47                                   | 86                            | 601                                     | 18                                 | 103                                                         | 482                                              | 84                                       | 550                                     | 12                                 | 482                                              |
| 202                   | 58                   | 27                   | 47                                   | 86                            | 643                                     | 21                                 | 104                                                         | 486                                              | 86                                       | 601                                     | 14                                 | 493                                              |
| 203                   | 58                   | 48                   | 47                                   | 85                            | 587                                     | 17                                 | 103                                                         | 476                                              | 84                                       | 538                                     | 10                                 | 485                                              |
| 204                   | 59                   | 9                    | 48                                   | 84                            | 589                                     | 17                                 | 103                                                         | 471                                              | 84                                       | 536                                     | 11                                 | 467                                              |
| 205                   | 59                   | 30                   | 48                                   | 85                            | 583                                     | 17                                 | 103                                                         | 468                                              | 83                                       | 543                                     | 11                                 | 467                                              |
| 206                   | 59                   | 51                   | 48                                   | 85                            | 591                                     | 17                                 | 103                                                         | 470                                              | 86                                       | 550                                     | 10                                 | 469                                              |
| 207                   | 60                   | 12                   | 48                                   | 90                            | 987                                     | 59                                 | 102                                                         | 540                                              | 91                                       | 945                                     | 57                                 | 545                                              |
| 208                   | 60                   | 33                   | 48                                   | 97                            | 1456                                    | 84                                 | 101                                                         | 674                                              | 97                                       | 1380                                    | 86                                 | 675                                              |
| 209                   | 60                   | 54                   | 48                                   | 96                            | 1516                                    | 93                                 | 100                                                         | 694                                              | 99                                       | 1456                                    | 93                                 | 700                                              |
| 210                   | 61                   | 15                   | 48                                   | 97                            | 1503                                    | 91                                 | 100                                                         | 699                                              | 96                                       | 1429                                    | 90                                 | 702                                              |
| 211                   | 61                   | 36                   | 48                                   | 96                            | 1496                                    | 92                                 | 101                                                         | 695                                              | 96                                       | 1412                                    | 89                                 | 699                                              |
| 212                   | 61                   | 58                   | 48                                   | 97                            | 1484                                    | 91                                 | *                                                           | 691                                              | 96                                       | 1415                                    | 90                                 | 691                                              |
| 213                   | 62                   | 19                   | 48                                   | 96                            | 1507                                    | 93                                 | *                                                           | 695                                              | 96                                       | 1415                                    | 93                                 | 695                                              |
| 214                   | 62                   | 40                   | 47                                   | 95                            | 1410                                    | 84                                 | 101                                                         | 684                                              | 95                                       | 1364                                    | 85                                 | 687                                              |
| 215                   | 63                   | 1                    | 47                                   | 97                            | 1505                                    | 93                                 | 100                                                         | 691                                              | 96                                       | 1461                                    | 94                                 | 702                                              |
| 216                   | 63                   | 22                   | 47                                   | 98                            | 1535                                    | 95                                 | 101                                                         | 704                                              | 97                                       | 1482                                    | 95                                 | 704                                              |
| 217                   | 63                   | 43                   | 47                                   | 96                            | 1496                                    | 92                                 | 100                                                         | 690                                              | 94                                       | 1447                                    | 93                                 | 697                                              |
| 218                   | 64                   | 4                    | 47                                   | 97                            | 1528                                    | 94                                 | 100                                                         | 699                                              | 97                                       | 1475                                    | 97                                 | 702                                              |
| 219                   | 64                   | 25                   | 47                                   | 97                            | 1510                                    | 92                                 | 101                                                         | 693                                              | 96                                       | 1449                                    | 93                                 | 697                                              |
| 220                   | 64                   | 46                   | 46                                   | 99                            | 1479                                    | 90                                 | 102                                                         | 691                                              | 96                                       | 1415                                    | 91                                 | 697                                              |
| 221                   | 65                   | 7                    | 47                                   | 97                            | 1489                                    | 91                                 | 100                                                         | 694                                              | 96                                       | 1426                                    | 91                                 | 694                                              |
| 222                   | 65                   | 28                   | 46                                   | 100                           | 1500                                    | 93                                 | 100                                                         | 691                                              | 96                                       | 1460                                    | 94                                 | 700                                              |
| 223                   | 65                   | 50                   | 47                                   | *                             | 1505                                    | 93                                 | 100                                                         | 694                                              | 96                                       | 1452                                    | 93                                 | 700                                              |
| 224                   | 66                   | 11                   | 46                                   | 95                            | 1482                                    | 91                                 | 101                                                         | 693                                              | 96                                       | 1417                                    | 90                                 | 697                                              |
| 225                   | 66                   | 32                   | 46                                   | 96                            | 1507                                    | 92                                 | 100                                                         | 695                                              | 96                                       | 1442                                    | 92                                 | 694                                              |
| 226                   | 66                   | 53                   | 46                                   | 97                            | 1466                                    | 91                                 | 100                                                         | 689                                              | *                                        | 1422                                    | 91                                 | 710                                              |
| 227                   | 67                   | 14                   | 47                                   | 96                            | 1503                                    | 92                                 | 100                                                         | 695                                              | 96                                       | 1443                                    | 93                                 | 700                                              |
| 228                   | 67                   | 35                   | 46                                   | 97                            | 1512                                    | 93                                 | 100                                                         | 695                                              | 96                                       | 1456                                    | 93                                 | 699                                              |
| 229                   | 67                   | 56                   | 47                                   | 96                            | 1486                                    | 91                                 | 102                                                         | 690                                              | 96                                       | 1429                                    | 91                                 | 700                                              |
| 230                   | 68                   | 17                   | 46                                   | 96                            | 1461                                    | 88                                 | 100                                                         | 684                                              | 96                                       | 1403                                    | 89                                 | 690                                              |
| 231                   | 68                   | 38                   | 46                                   | 96                            | 1436                                    | 86                                 | 101                                                         | 670                                              | 95                                       | 1334                                    | 83                                 | 679                                              |
| 232                   | 68                   | 59                   | 46                                   | 96                            | 1436                                    | 86                                 | 101                                                         | 664                                              | 92                                       | 1396                                    | 87                                 | 689                                              |
| 233                   | 68                   | 21                   | 46                                   | 96                            | 1387                                    | 81                                 | 101                                                         | 677                                              | 94                                       | 1341                                    | 81                                 | 677                                              |
| 234                   | 69                   | 42                   | 46                                   | 94                            | 1214                                    | 67                                 | 103                                                         | 644                                              | 95                                       | 1179                                    | 85                                 | 647                                              |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NO) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>TURB<br>SPEED<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NO) | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-13<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-------------------------------------------|----------------------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 235                   | 70                   | 3                    | 45                                          | 91                           | 1045                                    | 55                                 | 132                                       | 594                                                      | 92                           | 1005                                    | 53                                 | 601                                                      |
| 236                   | 70                   | 24                   | 45                                          | 90                           | 874                                     | 41                                 | 104                                       | 550                                                      | 89                           | 834                                     | 38                                 | 554                                                      |
| 237                   | 70                   | 45                   | 44                                          | 90                           | 934                                     | 46                                 | *                                         | 553                                                      | 90                           | 908                                     | 44                                 | 564                                                      |
| 238                   | 71                   | 6                    | 44                                          | 90                           | 904                                     | 44                                 | 104                                       | 550                                                      | 90                           | 874                                     | 41                                 | 556                                                      |
| 239                   | 71                   | 27                   | 44                                          | 90                           | 874                                     | 40                                 | 104                                       | 543                                                      | 90                           | 841                                     | 37                                 | 551                                                      |
| 240                   | 71                   | 48                   | 44                                          | 91                           | 874                                     | 40                                 | *                                         | 543                                                      | 89                           | 837                                     | 36                                 | 548                                                      |
| 241                   | 72                   | 9                    | 44                                          | 92                           | 1114                                    | 63                                 | 182                                       | 596                                                      | 91                           | 1063                                    | 60                                 | 599                                                      |
| 242                   | 72                   | 30                   | 44                                          | 92                           | 1063                                    | 54                                 | 103                                       | 603                                                      | 91                           | 1008                                    | 50                                 | 591                                                      |
| 243                   | 72                   | 51                   | 43                                          | 87                           | 702                                     | 26                                 | 104                                       | 512                                                      | 86                           | 670                                     | 21                                 | 515                                                      |
| 244                   | 73                   | 12                   | 44                                          | 89                           | 864                                     | 41                                 | 105                                       | 527                                                      | 86                           | 807                                     | 35                                 | 525                                                      |
| 245                   | 73                   | 33                   | 44                                          | 91                           | 981                                     | 49                                 | 105                                       | 520                                                      | 91                           | 948                                     | 67                                 | 520                                                      |
| 246                   | 73                   | 54                   | 44                                          | 97                           | 1412                                    | 86                                 | 100                                       | 663                                                      | 95                           | 1348                                    | 85                                 | 665                                                      |
| 247                   | 74                   | 15                   | 44                                          | 96                           | 1470                                    | 89                                 | 100                                       | 691                                                      | 96                           | 1426                                    | 91                                 | 695                                                      |
| 248                   | 74                   | 36                   | 44                                          | 95                           | 1445                                    | 85                                 | *                                         | 689                                                      | 95                           | 1387                                    | 86                                 | 607                                                      |
| 249                   | 74                   | 57                   | 45                                          | 98                           | 1565                                    | 98                                 | 100                                       | 701                                                      | 97                           | 1514                                    | 90                                 | 711                                                      |
| 250                   | 75                   | 10                   | 45                                          | 96                           | 1489                                    | 90                                 | 108                                       | 690                                                      | 96                           | 1426                                    | 90                                 | 702                                                      |
| 251                   | 75                   | 39                   | 45                                          | 97                           | 1454                                    | 84                                 | 100                                       | 688                                                      | 96                           | 1405                                    | 89                                 | 697                                                      |
| 252                   | 76                   | 0                    | 45                                          | 95                           | 1454                                    | 86                                 | 101                                       | 688                                                      | 96                           | 1403                                    | 86                                 | 691                                                      |
| 253                   | 76                   | 22                   | 46                                          | 96                           | 1470                                    | 90                                 | 101                                       | 690                                                      | 96                           | 1429                                    | 92                                 | 694                                                      |
| 254                   | 76                   | 43                   | 45                                          | 97                           | 1461                                    | 89                                 | *                                         | 690                                                      | *                            | 1415                                    | 89                                 | 695                                                      |
| 255                   | 77                   | 4                    | 45                                          | 98                           | 1475                                    | 90                                 | 101                                       | 688                                                      | 94                           | 1422                                    | 91                                 | 699                                                      |
| 256                   | 77                   | 25                   | 45                                          | 96                           | 1479                                    | 90                                 | 101                                       | 689                                                      | 96                           | 1429                                    | 91                                 | 694                                                      |
| 257                   | 77                   | 46                   | 45                                          | 96                           | 1484                                    | 91                                 | 100                                       | 683                                                      | 96                           | 1433                                    | 91                                 | 694                                                      |
| 258                   | 78                   | 7                    | 46                                          | 97                           | 1466                                    | 89                                 | 102                                       | 687                                                      | 96                           | 1436                                    | 89                                 | 694                                                      |
| 259                   | 78                   | 28                   | 45                                          | 99                           | 1475                                    | 91                                 | 101                                       | 691                                                      | 96                           | 1431                                    | 91                                 | 691                                                      |
| 260                   | 78                   | 49                   | 45                                          | 97                           | 1489                                    | 91                                 | 100                                       | 689                                                      | 96                           | 1438                                    | 92                                 | 694                                                      |
| 261                   | 79                   | 11                   | 45                                          | 96                           | 1464                                    | 84                                 | 100                                       | 688                                                      | 94                           | 1396                                    | 88                                 | 690                                                      |
| 262                   | 79                   | 32                   | 45                                          | 95                           | 1472                                    | 87                                 | 102                                       | 687                                                      | 96                           | 1405                                    | 87                                 | 691                                                      |
| 263                   | 79                   | 53                   | 46                                          | 97                           | 1477                                    | 89                                 | 101                                       | 687                                                      | 96                           | 1436                                    | 90                                 | 692                                                      |
| 264                   | 80                   | 4                    | 46                                          | 96                           | 1492                                    | 87                                 | 102                                       | 684                                                      | 96                           | 1387                                    | 87                                 | 687                                                      |
| 265                   | 80                   | 35                   | 45                                          | 97                           | 1482                                    | 90                                 | 101                                       | 688                                                      | 97                           | 1436                                    | 91                                 | 694                                                      |
| 266                   | 80                   | 56                   | 46                                          | 95                           | 1323                                    | 73                                 | 102                                       | 658                                                      | 95                           | 1288                                    | 80                                 | 662                                                      |
| 267                   | 81                   | 17                   | 46                                          | 98                           | 1498                                    | 84                                 | *                                         | 687                                                      | 96                           | 1419                                    | 89                                 | 687                                                      |
| 268                   | 81                   | 39                   | 46                                          | 94                           | 1237                                    | 73                                 | *                                         | 656                                                      | 94                           | 1274                                    | 76                                 | 665                                                      |
| 269                   | 82                   | 0                    | 47                                          | 94                           | 1165                                    | 64                                 | 102                                       | 659                                                      | 92                           | 1128                                    | 62                                 | 630                                                      |
| 270                   | 82                   | 21                   | 47                                          | 94                           | 786                                     | 27                                 | 104                                       | 544                                                      | 88                           | 730                                     | 21                                 | 549                                                      |
| 271                   | 82                   | 42                   | 47                                          | 96                           | 587                                     | 17                                 | 104                                       | 472                                                      | 85                           | 568                                     | 13                                 | 485                                                      |
| 272                   | 83                   | 3                    | 47                                          | 86                           | 585                                     | 17                                 | 104                                       | 468                                                      | 85                           | 568                                     | 12                                 | 477                                                      |
| 273                   | 83                   | 24                   | 45                                          | 85                           | 589                                     | 17                                 | 104                                       | 470                                                      | 86                           | 571                                     | 13                                 | 477                                                      |
| 274                   | 83                   | 45                   | 47                                          | 87                           | 587                                     | 17                                 | 105                                       | 467                                                      | 86                           | 571                                     | 13                                 | 475                                                      |
| 275                   | 84                   | 6                    | 47                                          | 85                           | 587                                     | 16                                 | 104                                       | 467                                                      | 86                           | 573                                     | 13                                 | 475                                                      |
| 276                   | 84                   | 27                   | 47                                          | 85                           | 589                                     | 17                                 | 104                                       | 468                                                      | 86                           | 573                                     | 13                                 | 477                                                      |
| 277                   | 84                   | 48                   | 47                                          | 85                           | 589                                     | 17                                 | 105                                       | 468                                                      | 86                           | 571                                     | 13                                 | 475                                                      |
| 278                   | 85                   | 9                    | 47                                          | 85                           | 591                                     | 17                                 | 104                                       | 468                                                      | 84                           | 571                                     | 13                                 | 477                                                      |
| 279                   | 85                   | 30                   | 47                                          | 85                           | 591                                     | 17                                 | 104                                       | 471                                                      | 85                           | 571                                     | 13                                 | 475                                                      |
| 280                   | 85                   | 51                   | 47                                          | 97                           | 1559                                    | 103                                | 98                                        | 678                                                      | 97                           | 1533                                    | 105                                | 681                                                      |
| 281                   | 86                   | 12                   | 47                                          | 96                           | 1433                                    | 83                                 | 102                                       | 678                                                      | 95                           | 1436                                    | 93                                 | 695                                                      |
| 282                   | 86                   | 33                   | 47                                          | 94                           | 1411                                    | 83                                 | 102                                       | 680                                                      | 95                           | 1394                                    | 86                                 | 690                                                      |
| 283                   | 86                   | 54                   | 47                                          | 96                           | 1426                                    | 85                                 | 102                                       | 684                                                      | 96                           | 1417                                    | 90                                 | 697                                                      |
| 284                   | 87                   | 15                   | 47                                          | 96                           | 1423                                    | 85                                 | 101                                       | 684                                                      | 96                           | 1415                                    | 88                                 | 697                                                      |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FRIE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURNS<br>SPEED<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG) | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------|----------------------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 285                   | 87                   | 36                   | 47                                          | 96                           | 1438                                    | 86                                 | 101                                                 | 680                                                      | 96                           | 1424                                    | 90                                 | 694                                                      |
| 286                   | 87                   | 58                   | 47                                          | 95                           | 1419                                    | 84                                 | 102                                                 | 680                                                      | 95                           | 1408                                    | 88                                 | 692                                                      |
| 287                   | 88                   | 19                   | 47                                          | 95                           | 1399                                    | 83                                 | 101                                                 | 675                                                      | 95                           | 1387                                    | 86                                 | 687                                                      |
| 288                   | 88                   | 40                   | 47                                          | 96                           | 1405                                    | 83                                 | 101                                                 | 672                                                      | 95                           | 1394                                    | 86                                 | 690                                                      |
| 289                   | 89                   | 1                    | 47                                          | 95                           | 1364                                    | 80                                 | 103                                                 | 667                                                      | 95                           | 1359                                    | 83                                 | 685                                                      |
| 290                   | 89                   | 22                   | 47                                          | 96                           | 1468                                    | 89                                 | 101                                                 | 682                                                      | 96                           | 1459                                    | 92                                 | 697                                                      |
| 291                   | 89                   | 43                   | 47                                          | 95                           | 1415                                    | 84                                 | 102                                                 | 679                                                      | 96                           | 1396                                    | 87                                 | 692                                                      |
| 292                   | 90                   | 5                    | 47                                          | 95                           | 1419                                    | 85                                 | 102                                                 | 680                                                      | 95                           | 1401                                    | 87                                 | 692                                                      |
| 293                   | 90                   | 26                   | 47                                          | 96                           | 1426                                    | 85                                 | 101                                                 | 679                                                      | 96                           | 1401                                    | 87                                 | 686                                                      |
| 294                   | 90                   | 47                   | 48                                          | 96                           | 1433                                    | 85                                 | 103                                                 | 682                                                      | 95                           | 1392                                    | 87                                 | 690                                                      |
| 295                   | 91                   | 8                    | 48                                          | 96                           | 1410                                    | 84                                 | 102                                                 | 674                                                      | 95                           | 1387                                    | 86                                 | 685                                                      |
| 296                   | 91                   | 29                   | 48                                          | 95                           | 1401                                    | 82                                 | 102                                                 | 677                                                      | 95                           | 1373                                    | 85                                 | 686                                                      |
| 297                   | 91                   | 50                   | 49                                          | 95                           | 1373                                    | 80                                 | 103                                                 | 674                                                      | 95                           | 1345                                    | 82                                 | 679                                                      |
| 298                   | 92                   | 11                   | 48                                          | 95                           | 1375                                    | 81                                 | 102                                                 | 660                                                      | 95                           | 1375                                    | 85                                 | 684                                                      |
| 299                   | 92                   | 33                   | 49                                          | 94                           | 1359                                    | 79                                 | 102                                                 | 665                                                      | 94                           | 1359                                    | 83                                 | 681                                                      |
| 300                   | 92                   | 54                   | 48                                          | 95                           | 1378                                    | 81                                 | 102                                                 | 668                                                      | 94                           | 1373                                    | 83                                 | 681                                                      |
| 301                   | 93                   | 15                   | 48                                          | 96                           | 1440                                    | 85                                 | 102                                                 | 678                                                      | 96                           | 1431                                    | 89                                 | 697                                                      |
| 302                   | 93                   | 36                   | 48                                          | 96                           | 1375                                    | 81                                 | 102                                                 | 664                                                      | 95                           | 1364                                    | 84                                 | 681                                                      |
| 303                   | 93                   | 57                   | 48                                          | 95                           | 1363                                    | 82                                 | 102                                                 | 665                                                      | 95                           | 1387                                    | 86                                 | 682                                                      |
| 304                   | 94                   | 18                   | 47                                          | 96                           | 1375                                    | 82                                 | 102                                                 | 667                                                      | 94                           | 1392                                    | 89                                 | 680                                                      |
| 305                   | 94                   | 39                   | 48                                          | 95                           | 1373                                    | 81                                 | 103                                                 | 667                                                      | 95                           | 1375                                    | 86                                 | 685                                                      |
| 306                   | 95                   | 1                    | 47                                          | 95                           | 1399                                    | 84                                 | 102                                                 | 668                                                      | 95                           | 1401                                    | 89                                 | 687                                                      |
| 307                   | 95                   | 22                   | 47                                          | 96                           | 1371                                    | 79                                 | 102                                                 | 674                                                      | 95                           | 1364                                    | 82                                 | 684                                                      |
| 308                   | 95                   | 43                   | 48                                          | 95                           | 1392                                    | 83                                 | 101                                                 | 674                                                      | 95                           | 1401                                    | 88                                 | 687                                                      |
| 309                   | 96                   | 4                    | 47                                          | 96                           | 1364                                    | 79                                 | 102                                                 | 670                                                      | 96                           | 1366                                    | 83                                 | 685                                                      |
| 310                   | 96                   | 25                   | 47                                          | 95                           | 1357                                    | 81                                 | 101                                                 | 662                                                      | 95                           | 1359                                    | 85                                 | 681                                                      |
| 311                   | 96                   | 46                   | 47                                          | 95                           | 1410                                    | 84                                 | 102                                                 | 674                                                      | 95                           | 1357                                    | 84                                 | 685                                                      |
| 312                   | 97                   | 7                    | 47                                          | 96                           | 1419                                    | 84                                 | 101                                                 | 680                                                      | 95                           | 1378                                    | 86                                 | 685                                                      |
| 313                   | 97                   | 29                   | 47                                          | 96                           | 1359                                    | 78                                 | 102                                                 | 670                                                      | 94                           | 1299                                    | 77                                 | 669                                                      |
| 314                   | 97                   | 50                   | 48                                          | 92                           | 1183                                    | 64                                 | 103                                                 | 633                                                      | 93                           | 1123                                    | 59                                 | 630                                                      |
| 315                   | 98                   | 11                   | 47                                          | 86                           | 605                                     | 18                                 | *                                                   | 503                                                      | 87                           | 543                                     | 11                                 | 508                                                      |
| 316                   | 98                   | 32                   | 47                                          | 86                           | 601                                     | 18                                 | 105                                                 | 477                                                      | 85                           | 543                                     | 11                                 | 477                                                      |
| 317                   | 98                   | 53                   | 48                                          | 85                           | 603                                     | 18                                 | 106                                                 | 476                                                      | 86                           | 545                                     | 11                                 | 473                                                      |
| 318                   | 99                   | 14                   | 48                                          | 86                           | 603                                     | 18                                 | *                                                   | 473                                                      | 84                           | 545                                     | 11                                 | 469                                                      |
| 319                   | 99                   | 35                   | 48                                          | 85                           | 603                                     | 18                                 | 105                                                 | 472                                                      | 85                           | 545                                     | 11                                 | 472                                                      |
| 320                   | 99                   | 56                   | 48                                          | 85                           | 603                                     | 18                                 | *                                                   | 477                                                      | 85                           | 548                                     | 11                                 | 475                                                      |
| 321                   | 100                  | 17                   | 48                                          | 86                           | 603                                     | 18                                 | 103                                                 | 474                                                      | 84                           | 548                                     | 11                                 | 475                                                      |
| 322                   | 100                  | 34                   | 48                                          | 86                           | 511                                     | 18                                 | *                                                   | 472                                                      | 86                           | 548                                     | 11                                 | 472                                                      |
| 323                   | 100                  | 59                   | 48                                          | 86                           | 605                                     | 18                                 | 104                                                 | 473                                                      | 85                           | 550                                     | 11                                 | 472                                                      |
| 324                   | 101                  | 20                   | 48                                          | 86                           | 605                                     | 18                                 | 104                                                 | 474                                                      | 84                           | 552                                     | 11                                 | 469                                                      |
| 325                   | 101                  | 41                   | 48                                          | 86                           | 605                                     | 18                                 | 104                                                 | 474                                                      | 84                           | 548                                     | 11                                 | 472                                                      |
| 326                   | 102                  | 2                    | 48                                          | 95                           | 1322                                    | 76                                 | 102                                                 | 632                                                      | 94                           | 1248                                    | 74                                 | 635                                                      |
| 327                   | 102                  | 23                   | 48                                          | 96                           | 1436                                    | 85                                 | 101                                                 | 680                                                      | 95                           | 1378                                    | 84                                 | 676                                                      |
| 328                   | 102                  | 44                   | 48                                          | 95                           | 1442                                    | 85                                 | *                                                   | 682                                                      | 95                           | 1382                                    | 85                                 | 682                                                      |
| 329                   | 103                  | 5                    | 48                                          | 95                           | 1429                                    | 84                                 | 102                                                 | 678                                                      | 94                           | 1359                                    | 82                                 | 682                                                      |
| 330                   | 103                  | 26                   | 48                                          | 95                           | 1413                                    | 83                                 | 102                                                 | 682                                                      | 96                           | 1352                                    | 83                                 | 682                                                      |
| 331                   | 103                  | 48                   | 48                                          | 97                           | 1433                                    | 85                                 | 101                                                 | 679                                                      | 95                           | 1362                                    | 84                                 | 682                                                      |
| 332                   | 104                  | 1                    | 47                                          | 96                           | 1429                                    | 86                                 | 102                                                 | 675                                                      | 95                           | 1364                                    | 87                                 | 677                                                      |
| 333                   | 104                  | 20                   | 47                                          | 95                           | 1413                                    | 84                                 | 101                                                 | 679                                                      | 95                           | 1348                                    | 83                                 | 685                                                      |
| 334                   | 104                  | 51                   | 47                                          | 95                           | 1436                                    | 84                                 | 103                                                 | 687                                                      | 95                           | 1378                                    | 88                                 | 676                                                      |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(IT-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(IT-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|
| 315                   | 105                  | 12                   | 47                                          | 93                           | 1195                                    | 64                                 | 103                                              | 644                                                       | 93                                      | 1116                                    | 57                                 | 637                                                       |
| 316                   | 105                  | 33                   | 47                                          | 95                           | 1447                                    | 85                                 | 102                                              | 687                                                       | 94                                      | 1341                                    | 81                                 | 680                                                       |
| 317                   | 105                  | 55                   | 47                                          | 94                           | 1183                                    | 68                                 | 105                                              | 625                                                       | 94                                      | 1140                                    | 68                                 | 628                                                       |
| 318                   | 106                  | 16                   | 46                                          | 95                           | 1426                                    | 85                                 | 102                                              | 684                                                       | 95                                      | 1341                                    | 82                                 | 678                                                       |
| 319                   | 106                  | 37                   | 47                                          | 96                           | 1426                                    | 90                                 | 102                                              | 669                                                       | 96                                      | 1359                                    | 90                                 | 669                                                       |
| 320                   | 106                  | 58                   | 46                                          | 96                           | 1241                                    | 77                                 | 102                                              | 659                                                       | 94                                      | 1253                                    | 72                                 | 657                                                       |
| 321                   | 107                  | 19                   | 47                                          | 94                           | 1244                                    | 50                                 | 104                                              | 644                                                       | 94                                      | 1173                                    | 64                                 | 647                                                       |
| 322                   | 107                  | 40                   | 46                                          | 94                           | 1313                                    | 72                                 | 104                                              | 664                                                       | 94                                      | 1239                                    | 67                                 | 661                                                       |
| 323                   | 108                  | 2                    | 47                                          | 97                           | 1484                                    | 89                                 | 101                                              | 688                                                       | 95                                      | 1387                                    | 86                                 | 682                                                       |
| 324                   | 108                  | 23                   | 47                                          | 95                           | 1412                                    | 84                                 | 102                                              | 674                                                       | 95                                      | 1338                                    | 84                                 | 672                                                       |
| 325                   | 108                  | 44                   | 47                                          | 96                           | 1459                                    | 87                                 | 101                                              | 687                                                       | 97                                      | 1378                                    | 85                                 | 688                                                       |
| 326                   | 109                  | 5                    | 47                                          | 94                           | 1091                                    | 60                                 | 103                                              | 610                                                       | 94                                      | 1049                                    | 57                                 | 610                                                       |
| 327                   | 109                  | 26                   | 47                                          | 94                           | 1322                                    | 75                                 | 104                                              | 656                                                       | 93                                      | 1227                                    | 72                                 | 650                                                       |
| 328                   | 109                  | 48                   | 47                                          | 96                           | 1355                                    | 71                                 | 104                                              | 670                                                       | 95                                      | 1257                                    | 66                                 | 661                                                       |
| 329                   | 110                  | 9                    | 47                                          | 94                           | 1234                                    | 69                                 | 103                                              | 644                                                       | 94                                      | 1179                                    | 68                                 | 645                                                       |
| 330                   | 110                  | 30                   | 47                                          | 96                           | 1461                                    | 88                                 | 101                                              | 675                                                       | 95                                      | 1368                                    | 85                                 | 667                                                       |
| 331                   | 110                  | 51                   | 47                                          | 93                           | 1112                                    | 58                                 | 103                                              | 625                                                       | 92                                      | 1063                                    | 51                                 | 624                                                       |
| 332                   | 111                  | 12                   | 47                                          | 93                           | 1174                                    | 64                                 | 103                                              | 623                                                       | 92                                      | 1126                                    | 63                                 | 623                                                       |
| 333                   | 111                  | 33                   | 47                                          | 90                           | 957                                     | 41                                 | 104                                              | 581                                                       | 83                                      | 887                                     | 32                                 | 573                                                       |
| 334                   | 111                  | 54                   | 47                                          | 86                           | 615                                     | 19                                 | 104                                              | 483                                                       | 84                                      | 557                                     | 12                                 | 484                                                       |
| 335                   | 112                  | 15                   | 47                                          | 86                           | 619                                     | 19                                 | 104                                              | 476                                                       | 85                                      | 548                                     | 11                                 | 474                                                       |
| 336                   | 112                  | 36                   | 47                                          | 87                           | 700                                     | 26                                 | 104                                              | 496                                                       | 86                                      | 659                                     | 20                                 | 498                                                       |
| 337                   | 112                  | 57                   | 47                                          | 87                           | 654                                     | 22                                 | 104                                              | 487                                                       | 85                                      | 600                                     | 16                                 | 487                                                       |
| 338                   | 113                  | 18                   | 47                                          | 86                           | 626                                     | 18                                 | 105                                              | 479                                                       | 85                                      | 576                                     | 12                                 | 478                                                       |
| 339                   | 113                  | 39                   | 47                                          | 88                           | 624                                     | 13                                 | 104                                              | 489                                                       | 85                                      | 594                                     | 14                                 | 483                                                       |
| 340                   | 114                  | 0                    | 47                                          | 86                           | 594                                     | 15                                 | 104                                              | 501                                                       | 85                                      | 573                                     | 11                                 | 510                                                       |
| 341                   | 114                  | 21                   | 47                                          | 86                           | 594                                     | 17                                 | 104                                              | 482                                                       | 84                                      | 561                                     | 12                                 | 474                                                       |
| 342                   | 114                  | 42                   | 47                                          | 85                           | 601                                     | 14                                 | 103                                              | 484                                                       | 84                                      | 554                                     | 12                                 | 477                                                       |
| 343                   | 115                  | 7                    | 47                                          | 86                           | 501                                     | 16                                 | 104                                              | 477                                                       | 86                                      | 557                                     | 11                                 | 473                                                       |
| 344                   | 115                  | 25                   | 47                                          | 71                           | 277                                     | 1                                  | 74                                               | 470                                                       | 72                                      | 277                                     | 1                                  | 459                                                       |
| 345                   | 115                  | 46                   | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 395                                                       | 23                                      | 34                                      | 1                                  | 373                                                       |
| 346                   | 115                  | 0                    | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 290                                                       | 23                                      | 34                                      | 1                                  | 276                                                       |
| 347                   | 116                  | 29                   | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 249                                                       | 23                                      | 34                                      | 1                                  | 236                                                       |
| 348                   | 116                  | 4                    | 46                                          | 23                           | 277                                     | 0                                  | 25                                               | 275                                                       | 23                                      | 34                                      | 1                                  | 258                                                       |
| 349                   | 116                  | 38                   | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 295                                                       | 23                                      | 34                                      | 1                                  | 260                                                       |
| 350                   | 117                  | 0                    | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 291                                                       | 23                                      | 34                                      | 1                                  | 282                                                       |
| 351                   | 117                  | 21                   | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 303                                                       | 23                                      | 34                                      | 1                                  | 282                                                       |
| 352                   | 120                  | 43                   | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 292                                                       | 23                                      | 34                                      | 1                                  | 283                                                       |
| 353                   | 121                  | 4                    | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 296                                                       | 23                                      | 34                                      | 1                                  | 286                                                       |
| 354                   | 121                  | 26                   | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 295                                                       | 23                                      | 34                                      | 1                                  | 281                                                       |
| 355                   | 121                  | 7                    | 47                                          | 23                           | 277                                     | 0                                  | 25                                               | 300                                                       | 23                                      | 34                                      | 1                                  | 287                                                       |
| 356                   | 122                  | 29                   | 46                                          | 23                           | 277                                     | 0                                  | 25                                               | 305                                                       | 23                                      | 34                                      | 1                                  | 291                                                       |
| 357                   | 123                  | 50                   | 46                                          | 23                           | 277                                     | 0                                  | 25                                               | 302                                                       | 23                                      | 34                                      | 1                                  | 288                                                       |
| 358                   | 124                  | 12                   | 46                                          | 23                           | 277                                     | 0                                  | 25                                               | 302                                                       | 23                                      | 34                                      | 1                                  | 286                                                       |
| 359                   | 124                  | 34                   | 46                                          | 23                           | 277                                     | 0                                  | 25                                               | 298                                                       | 23                                      | 34                                      | 1                                  | 282                                                       |
| 360                   | 124                  | 52                   | 46                                          | 23                           | 277                                     | 0                                  | 25                                               | 298                                                       | 23                                      | 34                                      | 1                                  | 282                                                       |
| 361                   | 129                  | 37                   | 45                                          | 23                           | 277                                     | 0                                  | 25                                               | 277                                                       | 23                                      | 34                                      | 1                                  | 267                                                       |
| 362                   | 129                  | 58                   | 45                                          | 23                           | 277                                     | 0                                  | 25                                               | 277                                                       | 23                                      | 34                                      | 1                                  | 261                                                       |
| 363                   | 133                  | 20                   | 45                                          | 23                           | 277                                     | 0                                  | 25                                               | 279                                                       | 23                                      | 34                                      | 1                                  | 266                                                       |
| 364                   | 133                  | 40                   | 45                                          | 23                           | 277                                     | 0                                  | 25                                               | 280                                                       | 23                                      | 34                                      | 1                                  | 263                                                       |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 385                   | 131                  | 3                    | 46                                          | *                            | *                                       | *                                  | *                                                         | 277                                                      | *                                       | *                                       | *                                  | 261                                                      |
| 386                   | 139                  | 44                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 255                                                      | *                                       | *                                       | *                                  | 238                                                      |
| 387                   | 140                  | 5                    | 47                                          | *                            | *                                       | *                                  | *                                                         | 249                                                      | *                                       | *                                       | *                                  | 235                                                      |
| 388                   | 140                  | 27                   | 47                                          | *                            | *                                       | *                                  | *                                                         | 251                                                      | *                                       | *                                       | *                                  | 230                                                      |
| 389                   | 140                  | 49                   | 47                                          | *                            | *                                       | *                                  | *                                                         | 249                                                      | *                                       | *                                       | *                                  | 225                                                      |
| 390                   | 141                  | 10                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 246                                                      | *                                       | *                                       | *                                  | 223                                                      |
| 391                   | 141                  | 48                   | 47                                          | *                            | *                                       | *                                  | *                                                         | 233                                                      | *                                       | *                                       | *                                  | 228                                                      |
| 392                   | 148                  | 10                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 239                                                      | *                                       | *                                       | *                                  | 220                                                      |
| 393                   | 149                  | 31                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 235                                                      | *                                       | *                                       | *                                  | 227                                                      |
| 394                   | 149                  | 53                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 235                                                      | *                                       | *                                       | *                                  | 223                                                      |
| 395                   | 150                  | 15                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 226                                                      | *                                       | *                                       | *                                  | 223                                                      |
| 396                   | 150                  | 36                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 211                                                      | *                                       | *                                       | *                                  | 217                                                      |

HM-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
PUN NO. 6

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 39                    | 1                    | 1                    | *                    | *                             | *                             | 12                                                      | *                                                        | 4                                                                 | 5                                                            | 5                                                     | 4                                                   | 5                                              |
| 40                    | 1                    | 23                   | *                    | *                             | *                             | 9                                                       | 1                                                        | 4                                                                 | 3                                                            | 3                                                     | 0                                                   | 4                                              |
| 41                    | 1                    | 44                   | *                    | *                             | *                             | 3                                                       | 1                                                        | 4                                                                 | 5                                                            | 5                                                     | 1                                                   | 4                                              |
| 42                    | 2                    | 6                    | *                    | *                             | *                             | 8                                                       | 1                                                        | 4                                                                 | 2                                                            | 0                                                     | 3                                                   | *                                              |
| 43                    | 2                    | 27                   | *                    | *                             | *                             | 8                                                       | 1                                                        | 4                                                                 | 2                                                            | 2                                                     | 3                                                   | 4                                              |
| 44                    | 2                    | 49                   | *                    | *                             | *                             | 11                                                      | 1                                                        | 4                                                                 | 4                                                            | 3                                                     | 2                                                   | 6                                              |
| 45                    | 3                    | 10                   | *                    | *                             | *                             | 12                                                      | 1                                                        | 4                                                                 | 5                                                            | 5                                                     | 3                                                   | 0                                              |
| 46                    | 3                    | 32                   | *                    | *                             | *                             | 8                                                       | 1                                                        | 4                                                                 | 5                                                            | 5                                                     | 1                                                   | 0                                              |
| 47                    | 3                    | 53                   | *                    | *                             | *                             | 11                                                      | 1                                                        | 1                                                                 | 3                                                            | 29                                                    | 4                                                   | 5                                              |
| 48                    | 4                    | 14                   | *                    | *                             | *                             | 10                                                      | 1                                                        | 1                                                                 | 2                                                            | 41                                                    | 4                                                   | 2                                              |
| 49                    | 4                    | 36                   | *                    | *                             | *                             | 11                                                      | 1                                                        | 4                                                                 | 3                                                            | 37                                                    | 3                                                   | 3                                              |
| 50                    | 4                    | 57                   | *                    | *                             | *                             | 8                                                       | 2                                                        | 3                                                                 | 0                                                            | 39                                                    | 0                                                   | 3                                              |
| 51                    | 5                    | 19                   | *                    | *                             | *                             | 9                                                       | 1                                                        | 3                                                                 | 3                                                            | 36                                                    | 0                                                   | 3                                              |
| 52                    | 5                    | 40                   | *                    | *                             | 5                             | 6                                                       | 1                                                        | 3                                                                 | 2                                                            | 36                                                    | 0                                                   | 2                                              |
| 53                    | *                    | *                    | *                    | *                             | *                             | 8                                                       | 1                                                        | 4                                                                 | 2                                                            | 35                                                    | 0                                                   | 2                                              |
| 54                    | 6                    | 23                   | *                    | *                             | *                             | 4                                                       | 0                                                        | 3                                                                 | 2                                                            | 37                                                    | 3                                                   | 2                                              |
| 55                    | 6                    | 45                   | *                    | *                             | *                             | 12                                                      | 1                                                        | 5                                                                 | 2                                                            | 37                                                    | 2                                                   | 2                                              |
| 56                    | 6                    | 6                    | *                    | *                             | *                             | 11                                                      | 1                                                        | 4                                                                 | 6                                                            | 39                                                    | 3                                                   | 3                                              |
| 57                    | 7                    | 27                   | *                    | *                             | *                             | 9                                                       | 2                                                        | 4                                                                 | 6                                                            | 37                                                    | 3                                                   | 2                                              |
| 58                    | 7                    | 48                   | *                    | *                             | *                             | 9                                                       | 1                                                        | 4                                                                 | 5                                                            | 37                                                    | 3                                                   | 2                                              |
| 59                    | 7                    | 9                    | *                    | *                             | *                             | 12                                                      | 1                                                        | 4                                                                 | 2                                                            | 43                                                    | 3                                                   | 3                                              |
| 60                    | 8                    | 30                   | *                    | *                             | *                             | 9                                                       | 1                                                        | 4                                                                 | 2                                                            | 42                                                    | 3                                                   | 2                                              |
| 61                    | 8                    | 52                   | *                    | *                             | *                             | 12                                                      | 1                                                        | 4                                                                 | 3                                                            | 42                                                    | 2                                                   | 3                                              |
| 62                    | 8                    | 12                   | *                    | *                             | *                             | 11                                                      | 1                                                        | 4                                                                 | 2                                                            | 41                                                    | 3                                                   | 2                                              |
| 63                    | 9                    | 34                   | *                    | *                             | *                             | 9                                                       | 1                                                        | 4                                                                 | 4                                                            | 41                                                    | 3                                                   | 2                                              |
| 64                    | 9                    | 55                   | *                    | *                             | *                             | 10                                                      | 1                                                        | 5                                                                 | 4                                                            | 42                                                    | 3                                                   | 2                                              |
| 65                    | 9                    | 16                   | *                    | *                             | *                             | 10                                                      | 2                                                        | 5                                                                 | 3                                                            | 40                                                    | 3                                                   | 5                                              |
| 66                    | 10                   | 37                   | *                    | *                             | *                             | 12                                                      | 1                                                        | 5                                                                 | 4                                                            | 41                                                    | 3                                                   | 3                                              |
| 67                    | 10                   | 37                   | *                    | *                             | *                             | 12                                                      | 1                                                        | 4                                                                 | 3                                                            | 41                                                    | 3                                                   | 3                                              |
| 68                    | 10                   | 13                   | *                    | *                             | *                             | 10                                                      | 1                                                        | 4                                                                 | 4                                                            | 41                                                    | 3                                                   | 3                                              |
| 69                    | 11                   | 41                   | *                    | *                             | *                             | 10                                                      | 0                                                        | 0                                                                 | 2                                                            | 43                                                    | 3                                                   | 3                                              |
| 70                    | 12                   | 2                    | *                    | *                             | *                             | 9                                                       | 1                                                        | 1                                                                 | 2                                                            | 40                                                    | 0                                                   | 4                                              |
| 71                    | 12                   | 23                   | *                    | *                             | *                             | 10                                                      | 1                                                        | 1                                                                 | 3                                                            | 41                                                    | 0                                                   | 3                                              |
| 72                    | 12                   | 44                   | *                    | *                             | *                             | 13                                                      | 4                                                        | 0                                                                 | 3                                                            | 41                                                    | 0                                                   | 2                                              |
| 73                    | 13                   | 5                    | *                    | *                             | *                             | 7                                                       | 3                                                        | 0                                                                 | 5                                                            | 38                                                    | 0                                                   | 4                                              |
| 74                    | 13                   | 26                   | *                    | *                             | *                             | 9                                                       | 3                                                        | 2                                                                 | 5                                                            | 38                                                    | 1                                                   | 2                                              |
| 75                    | 13                   | 48                   | *                    | *                             | *                             | 9                                                       | 3                                                        | 5                                                                 | 2                                                            | 38                                                    | 1                                                   | 2                                              |
| 76                    | 14                   | 9                    | *                    | *                             | *                             | 9                                                       | 1                                                        | 4                                                                 | 3                                                            | 37                                                    | 1                                                   | 3                                              |
| 77                    | 14                   | 30                   | *                    | *                             | *                             | 9                                                       | 1                                                        | 4                                                                 | 5                                                            | 38                                                    | 0                                                   | 2                                              |
| 78                    | 14                   | 51                   | *                    | *                             | *                             | 9                                                       | 1                                                        | 4                                                                 | 5                                                            | 39                                                    | 3                                                   | 2                                              |
| 79                    | 15                   | 12                   | *                    | *                             | *                             | 10                                                      | 1                                                        | 4                                                                 | 5                                                            | 39                                                    | 3                                                   | 2                                              |
| 80                    | 15                   | 33                   | *                    | *                             | *                             | 9                                                       | 2                                                        | 4                                                                 | 5                                                            | 37                                                    | 3                                                   | 2                                              |
| 81                    | 15                   | 54                   | *                    | *                             | 22                            | 9                                                       | 1                                                        | 3                                                                 | 2                                                            | 36                                                    | 0                                                   | 3                                              |
| 82                    | 16                   | 16                   | *                    | *                             | 22                            | 10                                                      | 1                                                        | 3                                                                 | 4                                                            | 37                                                    | 3                                                   | 2                                              |
| 83                    | 16                   | 37                   | *                    | *                             | 22                            | 9                                                       | 2                                                        | 3                                                                 | 4                                                            | 36                                                    | 10                                                  | 2                                              |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 84                    | 16                   | 56                   | 57                   | *                             | 21                            | 8                                                       | 1                                                        | 4                                                                 | 5                                                            | 37                                                    | 23                                                  | 2                                              |
| 85                    | 17                   | 19                   | 41                   | *                             | 10                            | 10                                                      | 1                                                        | 4                                                                 | 3                                                            | 38                                                    | 27                                                  | 3                                              |
| 86                    | 17                   | 40                   | 43                   | *                             | 22                            | 11                                                      | 1                                                        | 4                                                                 | 3                                                            | 35                                                    | 30                                                  | 5                                              |
| 87                    | 18                   | 1                    | 63                   | *                             | 12                            | 12                                                      | 1                                                        | 4                                                                 | 4                                                            | 38                                                    | 31                                                  | 3                                              |
| 88                    | 18                   | 22                   | 43                   | *                             | 22                            | 9                                                       | 1                                                        | 4                                                                 | 4                                                            | 38                                                    | 27                                                  | 3                                              |
| 89                    | 18                   | 43                   | *                    | *                             | 42                            | 10                                                      | 1                                                        | 3                                                                 | 2                                                            | 36                                                    | 69                                                  | 2                                              |
| 90                    | 19                   | 5                    | 99                   | *                             | 87                            | 12                                                      | 2                                                        | 4                                                                 | 6                                                            | 37                                                    | 78                                                  | 5                                              |
| 91                    | 19                   | 26                   | 103                  | *                             | 84                            | 11                                                      | 2                                                        | 4                                                                 | 5                                                            | 39                                                    | 78                                                  | 5                                              |
| 92                    | 19                   | 47                   | 102                  | *                             | 83                            | 17                                                      | 4                                                        | 2                                                                 | 5                                                            | 36                                                    | 77                                                  | 5                                              |
| 93                    | 20                   | 8                    | 102                  | 21                            | 83                            | 13                                                      | 13                                                       | 10                                                                | 31                                                           | 36                                                    | 77                                                  | 17                                             |
| 94                    | 20                   | 29                   | 102                  | 21                            | 83                            | 51                                                      | 17                                                       | 14                                                                | 60                                                           | 33                                                    | 79                                                  | 27                                             |
| 95                    | 20                   | 50                   | 102                  | 80                            | 82                            | 67                                                      | 20                                                       | 21                                                                | 74                                                           | 38                                                    | 77                                                  | 72                                             |
| 96                    | 21                   | 11                   | 104                  | 90                            | 73                            | 64                                                      | 17                                                       | 23                                                                | 71                                                           | 34                                                    | 73                                                  | 85                                             |
| 97                    | 21                   | 32                   | 103                  | 83                            | 82                            | 63                                                      | 17                                                       | 24                                                                | 71                                                           | 31                                                    | 73                                                  | 83                                             |
| 98                    | 21                   | 53                   | 104                  | 70                            | 91                            | 52                                                      | 16                                                       | 20                                                                | 68                                                           | 35                                                    | 75                                                  | 50                                             |
| 100                   | 22                   | 35                   | 104                  | 81                            | 84                            | 61                                                      | 20                                                       | 22                                                                | 69                                                           | 37                                                    | 77                                                  | 74                                             |
| 101                   | 22                   | 56                   | *                    | 81                            | 83                            | 61                                                      | 22                                                       | 22                                                                | 67                                                           | 33                                                    | 76                                                  | 75                                             |
| 102                   | 23                   | 17                   | 103                  | 81                            | 84                            | 60                                                      | 22                                                       | 21                                                                | 60                                                           | 35                                                    | 76                                                  | 75                                             |
| 103                   | 23                   | 38                   | 104                  | 81                            | 84                            | 59                                                      | 20                                                       | 21                                                                | 61                                                           | 34                                                    | 76                                                  | 73                                             |
| 104                   | 23                   | 59                   | 104                  | 81                            | 84                            | 61                                                      | 19                                                       | 22                                                                | 61                                                           | 33                                                    | 74                                                  | 74                                             |
| 105                   | 24                   | 20                   | 104                  | 81                            | 84                            | 61                                                      | 20                                                       | 20                                                                | 62                                                           | 33                                                    | 75                                                  | 74                                             |
| 106                   | 24                   | 41                   | 103                  | 81                            | 84                            | 58                                                      | 21                                                       | 23                                                                | 58                                                           | 32                                                    | 75                                                  | 74                                             |
| 107                   | 25                   | 2                    | 104                  | 81                            | 84                            | 57                                                      | 22                                                       | 21                                                                | 60                                                           | 31                                                    | 74                                                  | 74                                             |
| 108                   | 25                   | 27                   | 104                  | 81                            | 84                            | 59                                                      | 20                                                       | 23                                                                | 68                                                           | 32                                                    | 75                                                  | 78                                             |
| 109                   | 26                   | 44                   | 104                  | 81                            | 84                            | 57                                                      | 21                                                       | 22                                                                | 63                                                           | 36                                                    | 74                                                  | 75                                             |
| 110                   | 26                   | 5                    | 103                  | 81                            | 84                            | 56                                                      | 21                                                       | 22                                                                | 65                                                           | 33                                                    | 74                                                  | 75                                             |
| 111                   | 26                   | *                    | 103                  | 81                            | 84                            | 57                                                      | 21                                                       | 22                                                                | 63                                                           | 36                                                    | 74                                                  | 74                                             |
| 112                   | 26                   | 47                   | 103                  | 81                            | 84                            | 56                                                      | 21                                                       | 22                                                                | 63                                                           | 36                                                    | 74                                                  | 74                                             |
| 113                   | 27                   | 8                    | 103                  | 81                            | 84                            | 60                                                      | 19                                                       | 21                                                                | 62                                                           | 33                                                    | 75                                                  | 73                                             |
| 114                   | 27                   | 29                   | 104                  | 81                            | 84                            | 56                                                      | 21                                                       | 24                                                                | 62                                                           | 33                                                    | 75                                                  | 73                                             |
| 115                   | 27                   | 50                   | 103                  | 81                            | 84                            | 58                                                      | 22                                                       | 22                                                                | 66                                                           | 32                                                    | 74                                                  | 72                                             |
| 116                   | 28                   | 11                   | *                    | 81                            | 84                            | 63                                                      | 23                                                       | 25                                                                | 63                                                           | 33                                                    | 74                                                  | 113                                            |
| 117                   | 28                   | 28                   | 102                  | 81                            | 84                            | 70                                                      | 23                                                       | 22                                                                | 66                                                           | 33                                                    | 75                                                  | 139                                            |
| 118                   | 28                   | 53                   | 102                  | 82                            | 84                            | 67                                                      | 25                                                       | 24                                                                | 66                                                           | 30                                                    | 74                                                  | 143                                            |
| 119                   | 29                   | 14                   | 101                  | 82                            | 84                            | 66                                                      | 24                                                       | 25                                                                | 52                                                           | 37                                                    | 75                                                  | 145                                            |
| 120                   | 29                   | 35                   | 102                  | 82                            | 84                            | 69                                                      | 23                                                       | 28                                                                | 57                                                           | 35                                                    | 74                                                  | 146                                            |
| 121                   | 29                   | 56                   | 102                  | 82                            | 84                            | 66                                                      | 23                                                       | 23                                                                | 65                                                           | 34                                                    | 75                                                  | 144                                            |
| 122                   | 30                   | 18                   | 102                  | 82                            | 84                            | 66                                                      | 24                                                       | 26                                                                | 59                                                           | 33                                                    | 75                                                  | 144                                            |
| 123                   | 30                   | 39                   | 102                  | 81                            | 84                            | 67                                                      | 22                                                       | 24                                                                | 66                                                           | 33                                                    | 76                                                  | 146                                            |
| 124                   | 31                   | 0                    | 102                  | 81                            | *                             | *                                                       | 22                                                       | 23                                                                | 65                                                           | 34                                                    | 76                                                  | 146                                            |
| 125                   | 31                   | 21                   | 102                  | 81                            | 84                            | 67                                                      | 22                                                       | 23                                                                | 54                                                           | 30                                                    | 75                                                  | 143                                            |
| 126                   | 31                   | 42                   | 102                  | 79                            | 84                            | 66                                                      | 21                                                       | 24                                                                | 62                                                           | 31                                                    | 74                                                  | 144                                            |
| 127                   | 32                   | 3                    | 100                  | 79                            | 83                            | 67                                                      | 22                                                       | 24                                                                | 59                                                           | 31                                                    | 76                                                  | 142                                            |
| 128                   | 32                   | 24                   | 102                  | 80                            | 83                            | 63                                                      | 22                                                       | 26                                                                | 51                                                           | 33                                                    | 76                                                  | 142                                            |
| 129                   | 32                   | 46                   | 102                  | 73                            | 83                            | 64                                                      | 23                                                       | 22                                                                | 60                                                           | 31                                                    | 75                                                  | 146                                            |
| 130                   | 33                   | 7                    | 102                  | 73                            | 83                            | 65                                                      | 22                                                       | 26                                                                | 56                                                           | 29                                                    | 76                                                  | 144                                            |
| 131                   | 33                   | 28                   | 102                  | 79                            | 83                            | 65                                                      | 22                                                       | 30                                                                | 57                                                           | 30                                                    | 76                                                  | 145                                            |
| 132                   | 33                   | 43                   | 101                  | 79                            | 83                            | 65                                                      | 24                                                       | 21                                                                | 55                                                           | 30                                                    | 75                                                  | 146                                            |
| 133                   | 34                   | 10                   | 101                  | 79                            | 83                            | 67                                                      | 22                                                       | 26                                                                | 56                                                           | 34                                                    | 75                                                  | 145                                            |
| 134                   | 34                   | 31                   | 100                  | 78                            | 83                            | 67                                                      | 22                                                       | 23                                                                | 60                                                           | *                                                     | 70                                                  | 149                                            |



| -01<br>SHEET<br>COUNT | 1-22<br>TIME<br>MIN. | 1-23<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>IMPORT<br>PERCENT<br>TRAVEL | 1-14<br>R.H.<br>EXPORT<br>PERCENT<br>TRAVEL | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>HOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 135                   | 14                   | 53                   | 101                  | 79                                          | 83                                          | 63                                                      | 23                                                       | 26                                                                | 60                                                           | 29                                                    | 75                                                  | 145                                            |
| 136                   | 35                   | 14                   | 130                  | 79                                          | 82                                          | 66                                                      | 22                                                       | 26                                                                | 60                                                           | 30                                                    | 74                                                  | 145                                            |
| 137                   | 35                   | 35                   | *                    | 79                                          | 83                                          | 64                                                      | 23                                                       | 26                                                                | 57                                                           | 30                                                    | 74                                                  | 144                                            |
| 138                   | 35                   | 56                   | *                    | 79                                          | 83                                          | 62                                                      | 23                                                       | 26                                                                | 55                                                           | 28                                                    | 73                                                  | 145                                            |
| 139                   | 36                   | 17                   | 101                  | 79                                          | 83                                          | 65                                                      | 23                                                       | 26                                                                | 52                                                           | 35                                                    | 75                                                  | 143                                            |
| 140                   | 36                   | 30                   | 101                  | 79                                          | 83                                          | 64                                                      | 23                                                       | 24                                                                | 56                                                           | 35                                                    | 76                                                  | 145                                            |
| 141                   | 37                   | 0                    | 101                  | 79                                          | 84                                          | 66                                                      | 22                                                       | 21                                                                | 59                                                           | 32                                                    | 75                                                  | 144                                            |
| 142                   | 37                   | 21                   | 102                  | 79                                          | 84                                          | 63                                                      | 25                                                       | 25                                                                | 59                                                           | 30                                                    | 72                                                  | 142                                            |
| 143                   | 37                   | 42                   | 103                  | 79                                          | 84                                          | 65                                                      | 22                                                       | 22                                                                | 61                                                           | 31                                                    | 75                                                  | 140                                            |
| 144                   | 38                   | 3                    | 102                  | 79                                          | 83                                          | 64                                                      | 21                                                       | 22                                                                | 52                                                           | 29                                                    | 75                                                  | 142                                            |
| 145                   | 38                   | 24                   | *                    | 79                                          | 83                                          | 64                                                      | 22                                                       | 25                                                                | 59                                                           | 33                                                    | 75                                                  | 140                                            |
| 146                   | 38                   | 45                   | 192                  | 79                                          | 83                                          | 64                                                      | 22                                                       | 22                                                                | 57                                                           | 30                                                    | 73                                                  | 141                                            |
| 147                   | 39                   | 6                    | *                    | 79                                          | 83                                          | 65                                                      | 21                                                       | 23                                                                | 60                                                           | 31                                                    | 72                                                  | 139                                            |
| 148                   | 39                   | 27                   | 102                  | 79                                          | 83                                          | 65                                                      | 23                                                       | 23                                                                | 57                                                           | 30                                                    | 73                                                  | 142                                            |
| 149                   | 39                   | 49                   | 103                  | 79                                          | 83                                          | 63                                                      | 21                                                       | 24                                                                | 54                                                           | 33                                                    | 74                                                  | 138                                            |
| 150                   | 40                   | 10                   | 102                  | 79                                          | 83                                          | 66                                                      | 24                                                       | 26                                                                | 60                                                           | 31                                                    | 72                                                  | 144                                            |
| 151                   | 40                   | 31                   | 103                  | 81                                          | 83                                          | 69                                                      | 24                                                       | 21                                                                | 55                                                           | 29                                                    | 71                                                  | 144                                            |
| 152                   | 40                   | 52                   | 101                  | 81                                          | 83                                          | 64                                                      | 23                                                       | 22                                                                | 61                                                           | 30                                                    | 71                                                  | 141                                            |
| 153                   | 41                   | 13                   | 100                  | 81                                          | 83                                          | 67                                                      | 23                                                       | 26                                                                | 60                                                           | 35                                                    | 72                                                  | 151                                            |
| 154                   | 41                   | 34                   | *                    | 81                                          | 83                                          | 64                                                      | 24                                                       | 23                                                                | 56                                                           | 32                                                    | 75                                                  | 133                                            |
| 155                   | 41                   | 55                   | 195                  | 81                                          | 83                                          | 63                                                      | 23                                                       | 24                                                                | 65                                                           | 30                                                    | 74                                                  | 139                                            |
| 156                   | 42                   | 16                   | 101                  | 81                                          | 83                                          | 66                                                      | 23                                                       | 20                                                                | 59                                                           | 33                                                    | 74                                                  | 147                                            |
| 157                   | 42                   | 37                   | 102                  | 81                                          | 83                                          | 63                                                      | 21                                                       | 22                                                                | 65                                                           | 32                                                    | 73                                                  | 137                                            |
| 158                   | 42                   | 57                   | 102                  | 81                                          | 83                                          | 43                                                      | 23                                                       | 22                                                                | 62                                                           | 32                                                    | 74                                                  | 142                                            |
| 159                   | 43                   | 20                   | 101                  | 81                                          | 83                                          | 51                                                      | 20                                                       | 22                                                                | 53                                                           | 33                                                    | 72                                                  | 143                                            |
| 160                   | 43                   | 41                   | 103                  | 82                                          | 84                                          | 56                                                      | 22                                                       | 23                                                                | 55                                                           | 34                                                    | 72                                                  | 139                                            |
| 161                   | 44                   | 23                   | 101                  | 81                                          | 83                                          | 52                                                      | 22                                                       | 23                                                                | 55                                                           | 26                                                    | 70                                                  | 139                                            |
| 162                   | 44                   | 44                   | 102                  | 81                                          | 83                                          | 52                                                      | 25                                                       | 24                                                                | 57                                                           | 35                                                    | 74                                                  | 139                                            |
| 163                   | 44                   | 5                    | 102                  | 81                                          | 83                                          | 51                                                      | 21                                                       | 22                                                                | 56                                                           | 35                                                    | 73                                                  | 138                                            |
| 164                   | 45                   | 26                   | 102                  | 81                                          | 83                                          | 54                                                      | 22                                                       | 22                                                                | 62                                                           | 30                                                    | 75                                                  | 135                                            |
| 165                   | 45                   | 47                   | 102                  | 81                                          | 83                                          | 64                                                      | 23                                                       | 23                                                                | 57                                                           | 24                                                    | 74                                                  | 141                                            |
| 166                   | 45                   | 47                   | 102                  | 81                                          | 83                                          | 64                                                      | 25                                                       | 22                                                                | 52                                                           | 32                                                    | 72                                                  | 145                                            |
| 167                   | 46                   | 8                    | 100                  | 81                                          | 83                                          | 64                                                      | 25                                                       | 22                                                                | 60                                                           | 32                                                    | 72                                                  | 153                                            |
| 168                   | 46                   | 30                   | 102                  | 82                                          | 83                                          | 65                                                      | 25                                                       | 24                                                                | 55                                                           | 31                                                    | 72                                                  | 147                                            |
| 169                   | 46                   | 51                   | 102                  | 82                                          | 83                                          | 65                                                      | 26                                                       | 26                                                                | 49                                                           | 26                                                    | 72                                                  | 144                                            |
| 170                   | 47                   | 12                   | 101                  | 81                                          | 81                                          | 61                                                      | 22                                                       | 18                                                                | 65                                                           | 31                                                    | 72                                                  | 150                                            |
| 171                   | 47                   | 33                   | 102                  | 82                                          | 82                                          | 61                                                      | 21                                                       | 22                                                                | 52                                                           | 32                                                    | 72                                                  | 148                                            |
| 172                   | 47                   | 54                   | 101                  | 81                                          | 81                                          | 63                                                      | 22                                                       | 22                                                                | 62                                                           | 33                                                    | 75                                                  | 152                                            |
| 173                   | 48                   | 15                   | 102                  | 81                                          | 81                                          | 63                                                      | 25                                                       | 21                                                                | 51                                                           | 25                                                    | 72                                                  | 136                                            |
| 174                   | 48                   | 36                   | 100                  | 81                                          | 81                                          | 67                                                      | 21                                                       | 24                                                                | 67                                                           | 32                                                    | 69                                                  | 152                                            |
| 175                   | 48                   | 57                   | 103                  | 82                                          | 81                                          | 67                                                      | 26                                                       | 24                                                                | 60                                                           | 30                                                    | 74                                                  | 151                                            |
| 176                   | 49                   | 17                   | *                    | 81                                          | 81                                          | 67                                                      | 20                                                       | 24                                                                | 54                                                           | 30                                                    | 67                                                  | 146                                            |
| 177                   | 49                   | 40                   | 101                  | 82                                          | 81                                          | 64                                                      | 25                                                       | 24                                                                | 51                                                           | 25                                                    | 71                                                  | *                                              |
| 178                   | 50                   | 1                    | *                    | 82                                          | 81                                          | 66                                                      | 22                                                       | 23                                                                | 53                                                           | 30                                                    | 73                                                  | 149                                            |
| 179                   | 50                   | 22                   | *                    | 81                                          | 81                                          | 62                                                      | 23                                                       | 28                                                                | 53                                                           | 31                                                    | 59                                                  | 150                                            |
| 180                   | 50                   | 43                   | 100                  | 79                                          | 81                                          | 64                                                      | 22                                                       | 27                                                                | 57                                                           | 31                                                    | 71                                                  | 147                                            |
| 181                   | 51                   | 4                    | 100                  | 79                                          | 81                                          | 64                                                      | 24                                                       | 24                                                                | 51                                                           | 24                                                    | 72                                                  | 153                                            |
| 182                   | 51                   | 25                   | 100                  | 79                                          | 81                                          | 64                                                      | 23                                                       | 24                                                                | 56                                                           | 26                                                    | 71                                                  | 149                                            |
| 183                   | 51                   | 46                   | 102                  | 79                                          | 81                                          | 55                                                      | 23                                                       | 26                                                                | 56                                                           | 29                                                    | 70                                                  | 143                                            |
| 184                   | 52                   | 7                    | *                    | 79                                          | 81                                          | 61                                                      | 23                                                       | 23                                                                | 51                                                           | 26                                                    | 72                                                  | 133                                            |

| -01<br>SHEEP<br>COUNT | 1-12<br>TIME<br>MIN. | 1-13<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 185                   | 52                   | 29                   | 100                  | 79                            | 81                            | 61                                                      | 22                                                       | 22                                                                | 48                                                           | 26                                                    | 68                                                  | 147                                            |
| 186                   | 52                   | 50                   | *                    | 80                            | 82                            | 64                                                      | 22                                                       | 23                                                                | 60                                                           | 25                                                    | 70                                                  | 141                                            |
| 187                   | 53                   | 11                   | *                    | 79                            | 82                            | 61                                                      | 23                                                       | 24                                                                | 56                                                           | 32                                                    | 71                                                  | 144                                            |
| 188                   | 53                   | 32                   | 102                  | 79                            | 81                            | 66                                                      | 24                                                       | 23                                                                | 56                                                           | 33                                                    | 70                                                  | 149                                            |
| 189                   | 53                   | 53                   | 102                  | 79                            | 81                            | 66                                                      | 22                                                       | 22                                                                | 52                                                           | 30                                                    | 72                                                  | 147                                            |
| 190                   | 54                   | 14                   | 101                  | 79                            | 81                            | 66                                                      | 23                                                       | 22                                                                | 52                                                           | 31                                                    | 72                                                  | 142                                            |
| 191                   | 54                   | 35                   | 102                  | 79                            | 81                            | 62                                                      | 24                                                       | 20                                                                | 55                                                           | 33                                                    | 72                                                  | 146                                            |
| 192                   | 54                   | 56                   | 100                  | 79                            | 81                            | 66                                                      | 24                                                       | 23                                                                | 65                                                           | 30                                                    | 70                                                  | 149                                            |
| 193                   | 55                   | 17                   | *                    | 79                            | 81                            | 69                                                      | 24                                                       | 24                                                                | 60                                                           | 26                                                    | 72                                                  | 146                                            |
| 194                   | 55                   | 38                   | *                    | 80                            | 81                            | 64                                                      | 22                                                       | 23                                                                | 60                                                           | 24                                                    | 72                                                  | 149                                            |
| 195                   | 55                   | 59                   | 100                  | 79                            | 82                            | 65                                                      | 24                                                       | 23                                                                | 59                                                           | 34                                                    | 72                                                  | 150                                            |
| 196                   | 56                   | 20                   | 102                  | 79                            | 82                            | 69                                                      | 23                                                       | 30                                                                | 60                                                           | 30                                                    | 73                                                  | 148                                            |
| 197                   | 56                   | 42                   | 102                  | 73                            | 81                            | 63                                                      | 24                                                       | 24                                                                | 62                                                           | 35                                                    | 75                                                  | 143                                            |
| 198                   | 57                   | 3                    | *                    | 80                            | 81                            | 63                                                      | 22                                                       | 28                                                                | 60                                                           | 34                                                    | 74                                                  | 146                                            |
| 199                   | 57                   | 24                   | 102                  | 79                            | 81                            | 63                                                      | 23                                                       | 21                                                                | 54                                                           | 34                                                    | 76                                                  | 132                                            |
| 200                   | 57                   | 45                   | *                    | 80                            | 81                            | 62                                                      | 20                                                       | 22                                                                | 52                                                           | 29                                                    | 74                                                  | 114                                            |
| 201                   | 58                   | 6                    | 103                  | 80                            | 81                            | 63                                                      | 19                                                       | 21                                                                | 66                                                           | 29                                                    | 74                                                  | 74                                             |
| 202                   | 58                   | 27                   | 104                  | 80                            | 81                            | 52                                                      | 17                                                       | 22                                                                | 55                                                           | 33                                                    | 72                                                  | 72                                             |
| 203                   | 58                   | 48                   | 104                  | 80                            | 81                            | 51                                                      | 20                                                       | 22                                                                | 51                                                           | 35                                                    | 74                                                  | 75                                             |
| 204                   | 59                   | 9                    | 104                  | 80                            | 81                            | 50                                                      | 17                                                       | 21                                                                | 59                                                           | 33                                                    | 75                                                  | 72                                             |
| 205                   | 59                   | 30                   | *                    | 80                            | 81                            | 49                                                      | 22                                                       | 22                                                                | 62                                                           | 32                                                    | 75                                                  | 73                                             |
| 206                   | 59                   | 51                   | 103                  | 80                            | 81                            | 53                                                      | 17                                                       | 22                                                                | 57                                                           | 30                                                    | 78                                                  | 70                                             |
| 207                   | 60                   | 12                   | 102                  | 80                            | 81                            | 66                                                      | 22                                                       | 21                                                                | 57                                                           | 33                                                    | 75                                                  | 130                                            |
| 208                   | 60                   | 33                   | 101                  | 79                            | 81                            | 65                                                      | 23                                                       | 22                                                                | 65                                                           | 26                                                    | 73                                                  | 144                                            |
| 209                   | 61                   | 54                   | *                    | 79                            | 81                            | 63                                                      | 20                                                       | 28                                                                | 59                                                           | 32                                                    | 69                                                  | 144                                            |
| 210                   | 61                   | 15                   | 101                  | 79                            | 81                            | 61                                                      | 21                                                       | 21                                                                | 59                                                           | 32                                                    | 70                                                  | 143                                            |
| 211                   | 61                   | 36                   | *                    | 79                            | 81                            | 65                                                      | 23                                                       | 22                                                                | 60                                                           | 32                                                    | 72                                                  | 147                                            |
| 212                   | 61                   | 56                   | 100                  | 79                            | 81                            | 66                                                      | 21                                                       | 24                                                                | 56                                                           | 29                                                    | 70                                                  | 144                                            |
| 213                   | 62                   | 19                   | 102                  | 79                            | 81                            | 67                                                      | 24                                                       | 22                                                                | 60                                                           | 35                                                    | 72                                                  | 148                                            |
| 214                   | 62                   | 40                   | 102                  | 79                            | 82                            | 65                                                      | 20                                                       | 24                                                                | 52                                                           | 31                                                    | 73                                                  | 140                                            |
| 215                   | 63                   | 1                    | 101                  | 79                            | 81                            | 63                                                      | 21                                                       | 25                                                                | 66                                                           | 31                                                    | 71                                                  | 145                                            |
| 216                   | 63                   | 22                   | 101                  | 81                            | 81                            | 69                                                      | 21                                                       | 22                                                                | 56                                                           | 34                                                    | 72                                                  | 148                                            |
| 217                   | 63                   | 43                   | 101                  | 79                            | 83                            | 67                                                      | 27                                                       | 22                                                                | 52                                                           | 30                                                    | 73                                                  | 149                                            |
| 218                   | 64                   | 4                    | 100                  | 80                            | 82                            | 66                                                      | 23                                                       | 21                                                                | 62                                                           | 34                                                    | 72                                                  | 150                                            |
| 219                   | 64                   | 25                   | 101                  | 79                            | 81                            | 66                                                      | 24                                                       | 23                                                                | 56                                                           | 29                                                    | 74                                                  | 152                                            |
| 220                   | 64                   | 46                   | 102                  | 79                            | 81                            | 62                                                      | 24                                                       | 23                                                                | 60                                                           | 31                                                    | 73                                                  | 144                                            |
| 221                   | 65                   | 7                    | 101                  | 80                            | 81                            | 64                                                      | 19                                                       | 23                                                                | 57                                                           | 29                                                    | 70                                                  | 149                                            |
| 222                   | 65                   | 28                   | 101                  | 80                            | 82                            | 64                                                      | 20                                                       | 24                                                                | 56                                                           | 32                                                    | 72                                                  | 144                                            |
| 223                   | 65                   | 50                   | 101                  | 79                            | 81                            | 61                                                      | 22                                                       | 23                                                                | 49                                                           | 30                                                    | 72                                                  | 146                                            |
| 224                   | 66                   | 11                   | 101                  | 80                            | 81                            | 63                                                      | 21                                                       | 23                                                                | 52                                                           | 30                                                    | 72                                                  | 147                                            |
| 225                   | 66                   | 32                   | 101                  | 80                            | 81                            | 64                                                      | 24                                                       | 23                                                                | 55                                                           | 29                                                    | 71                                                  | 149                                            |
| 226                   | 66                   | 53                   | 102                  | 79                            | 81                            | 62                                                      | 21                                                       | 23                                                                | 57                                                           | 29                                                    | 72                                                  | 144                                            |
| 227                   | 67                   | 14                   | 102                  | 79                            | 81                            | 67                                                      | 24                                                       | 20                                                                | 53                                                           | 30                                                    | 74                                                  | 148                                            |
| 228                   | 67                   | 35                   | 101                  | 79                            | 82                            | 66                                                      | 24                                                       | 23                                                                | 57                                                           | 32                                                    | 72                                                  | 142                                            |
| 229                   | 67                   | 56                   | 102                  | 80                            | 82                            | 65                                                      | 22                                                       | 20                                                                | 51                                                           | 33                                                    | 72                                                  | 144                                            |
| 230                   | 68                   | 17                   | 101                  | 79                            | 81                            | 66                                                      | 21                                                       | 23                                                                | 53                                                           | 33                                                    | 72                                                  | 145                                            |
| 231                   | 68                   | 38                   | 102                  | 79                            | 81                            | 63                                                      | 21                                                       | 22                                                                | 56                                                           | 33                                                    | 73                                                  | 137                                            |
| 232                   | 69                   | 59                   | 102                  | 79                            | 81                            | 64                                                      | 22                                                       | 21                                                                | 57                                                           | 32                                                    | 72                                                  | 144                                            |
| 233                   | 69                   | 21                   | 102                  | 79                            | 81                            | 64                                                      | 22                                                       | 24                                                                | 57                                                           | 35                                                    | 74                                                  | 139                                            |
| 234                   | 70                   | 42                   | *                    | 80                            | 82                            | 67                                                      | 21                                                       | 24                                                                | 60                                                           | 33                                                    | 73                                                  | 126                                            |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>GEAR<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 235                   | 70                   | 3                    | 103                  | 80                            | 82                            | 60                                                      | 21                                                       | 24                                                                | 49                                                                   | 31                                                    | 75                                                  | 112                                            |
| 236                   | 70                   | 24                   | 104                  | 80                            | 82                            | 51                                                      | 19                                                       | 21                                                                | 52                                                                   | 34                                                    | 72                                                  | 101                                            |
| 237                   | 70                   | 45                   | 103                  | 80                            | 82                            | 56                                                      | 21                                                       | 21                                                                | 59                                                                   | 35                                                    | 73                                                  | 104                                            |
| 238                   | 71                   | 6                    | *                    | 80                            | 82                            | 60                                                      | 20                                                       | 21                                                                | 56                                                                   | 35                                                    | 71                                                  | 184                                            |
| 239                   | 71                   | 27                   | 105                  | 80                            | 82                            | 54                                                      | 21                                                       | 21                                                                | 52                                                                   | 32                                                    | 71                                                  | 98                                             |
| 240                   | 71                   | 48                   | 105                  | 80                            | 82                            | 51                                                      | 17                                                       | 21                                                                | 53                                                                   | 33                                                    | 72                                                  | 98                                             |
| 241                   | 72                   | 9                    | 102                  | 80                            | 81                            | 61                                                      | 21                                                       | 20                                                                | 62                                                                   | 32                                                    | 73                                                  | 121                                            |
| 242                   | 72                   | 30                   | 105                  | 80                            | 82                            | 56                                                      | 19                                                       | 20                                                                | 46                                                                   | 30                                                    | 72                                                  | 103                                            |
| 243                   | 72                   | 51                   | 106                  | 80                            | 81                            | 51                                                      | 16                                                       | 20                                                                | 48                                                                   | 25                                                    | 69                                                  | 77                                             |
| 244                   | 73                   | 12                   | 105                  | 80                            | 82                            | 60                                                      | 22                                                       | 21                                                                | 60                                                                   | 32                                                    | 72                                                  | 98                                             |
| 245                   | 73                   | 33                   | 104                  | 81                            | 82                            | 62                                                      | 24                                                       | 24                                                                | 56                                                                   | 35                                                    | 74                                                  | 109                                            |
| 246                   | 73                   | 54                   | 102                  | 80                            | 81                            | 66                                                      | 22                                                       | 23                                                                | 59                                                                   | 30                                                    | 74                                                  | 141                                            |
| 247                   | 74                   | 15                   | 102                  | 79                            | 81                            | 67                                                      | 22                                                       | 24                                                                | 62                                                                   | 29                                                    | 73                                                  | 146                                            |
| 248                   | 74                   | 36                   | 101                  | 80                            | 81                            | 66                                                      | 21                                                       | 24                                                                | 61                                                                   | 33                                                    | 68                                                  | 141                                            |
| 249                   | 74                   | 57                   | 100                  | 79                            | 81                            | 69                                                      | 25                                                       | 23                                                                | 57                                                                   | 30                                                    | 73                                                  | 147                                            |
| 250                   | 75                   | 18                   | 101                  | 79                            | 81                            | 69                                                      | 23                                                       | 30                                                                | 63                                                                   | 29                                                    | 75                                                  | 146                                            |
| 251                   | 75                   | 39                   | 101                  | 80                            | 81                            | 67                                                      | 25                                                       | 21                                                                | 56                                                                   | 30                                                    | 75                                                  | 147                                            |
| 252                   | 76                   | 0                    | 101                  | 80                            | 81                            | 64                                                      | 22                                                       | 23                                                                | 52                                                                   | 33                                                    | 73                                                  | 143                                            |
| 253                   | 76                   | 22                   | 102                  | 79                            | 82                            | 72                                                      | 23                                                       | 24                                                                | 55                                                                   | 33                                                    | 75                                                  | 147                                            |
| 254                   | 76                   | 43                   | 102                  | 80                            | 81                            | 67                                                      | 22                                                       | 23                                                                | 55                                                                   | 33                                                    | 75                                                  | 147                                            |
| 255                   | 77                   | 4                    | 101                  | 80                            | 81                            | 65                                                      | 23                                                       | 23                                                                | 59                                                                   | 34                                                    | 72                                                  | 146                                            |
| 256                   | 77                   | 25                   | 101                  | 80                            | 81                            | 63                                                      | 24                                                       | 23                                                                | 52                                                                   | 34                                                    | 72                                                  | 145                                            |
| 257                   | 77                   | 46                   | 101                  | 80                            | 81                            | 64                                                      | 22                                                       | 24                                                                | 56                                                                   | 32                                                    | 72                                                  | 146                                            |
| 258                   | 78                   | 7                    | 102                  | 80                            | 81                            | 67                                                      | 23                                                       | 23                                                                | 52                                                                   | 34                                                    | 72                                                  | 144                                            |
| 259                   | 78                   | 20                   | 102                  | 79                            | 81                            | 66                                                      | 23                                                       | 24                                                                | 52                                                                   | 34                                                    | 74                                                  | 145                                            |
| 260                   | 78                   | 49                   | 100                  | 80                            | 81                            | 66                                                      | 21                                                       | 23                                                                | 57                                                                   | 31                                                    | 71                                                  | 145                                            |
| 261                   | 79                   | 11                   | 101                  | 80                            | 81                            | 65                                                      | 23                                                       | 23                                                                | 60                                                                   | 31                                                    | 73                                                  | 142                                            |
| 262                   | 79                   | 32                   | 101                  | 79                            | 81                            | 65                                                      | 22                                                       | 24                                                                | 52                                                                   | 32                                                    | 73                                                  | 144                                            |
| 263                   | 79                   | 53                   | 102                  | 80                            | 81                            | 65                                                      | 22                                                       | 23                                                                | 59                                                                   | 31                                                    | 73                                                  | 145                                            |
| 264                   | 80                   | 14                   | 101                  | 79                            | 82                            | 65                                                      | 24                                                       | 24                                                                | 65                                                                   | 31                                                    | 74                                                  | 143                                            |
| 265                   | 80                   | 35                   | 102                  | 79                            | 81                            | 65                                                      | 22                                                       | 24                                                                | 56                                                                   | 31                                                    | 73                                                  | 149                                            |
| 266                   | 80                   | 56                   | 102                  | 79                            | 81                            | 64                                                      | 21                                                       | 24                                                                | 54                                                                   | 32                                                    | 75                                                  | 143                                            |
| 267                   | 81                   | 17                   | 102                  | 79                            | 81                            | 64                                                      | 22                                                       | 21                                                                | 55                                                                   | 33                                                    | 74                                                  | 142                                            |
| 268                   | 81                   | 39                   | 103                  | 79                            | 81                            | 65                                                      | 23                                                       | 23                                                                | 52                                                                   | 32                                                    | 74                                                  | 138                                            |
| 269                   | 82                   | 0                    | 103                  | 79                            | 81                            | 59                                                      | 20                                                       | 22                                                                | 57                                                                   | 32                                                    | 74                                                  | 125                                            |
| 270                   | 82                   | 21                   | 105                  | 80                            | 81                            | 51                                                      | 18                                                       | 21                                                                | 52                                                                   | 25                                                    | 73                                                  | 72                                             |
| 271                   | 82                   | 42                   | 104                  | 84                            | 85                            | 49                                                      | 17                                                       | 20                                                                | 51                                                                   | 32                                                    | 73                                                  | 72                                             |
| 272                   | 83                   | 3                    | *                    | 84                            | 86                            | 49                                                      | 19                                                       | 20                                                                | 56                                                                   | 27                                                    | 73                                                  | 72                                             |
| 273                   | 83                   | 24                   | 104                  | 84                            | 85                            | 51                                                      | 17                                                       | 20                                                                | 56                                                                   | 26                                                    | 74                                                  | 72                                             |
| 274                   | 83                   | 45                   | 105                  | 84                            | 86                            | 51                                                      | 17                                                       | 20                                                                | 49                                                                   | 29                                                    | 73                                                  | 72                                             |
| 275                   | 84                   | 6                    | 105                  | 84                            | 85                            | 49                                                      | 17                                                       | 22                                                                | 65                                                                   | 26                                                    | 73                                                  | 72                                             |
| 276                   | 84                   | 27                   | 104                  | 84                            | 85                            | 50                                                      | 17                                                       | 22                                                                | 65                                                                   | 26                                                    | 72                                                  | 73                                             |
| 277                   | 84                   | 48                   | 105                  | 84                            | 86                            | 52                                                      | 19                                                       | 21                                                                | 60                                                                   | 31                                                    | 71                                                  | 69                                             |
| 278                   | 85                   | 3                    | 105                  | 84                            | 85                            | 49                                                      | 19                                                       | 20                                                                | 60                                                                   | 31                                                    | 71                                                  | 71                                             |
| 279                   | 85                   | 30                   | 105                  | 84                            | 85                            | 51                                                      | 19                                                       | 18                                                                | 62                                                                   | 31                                                    | 72                                                  | 71                                             |
| 280                   | 85                   | 51                   | 103                  | 83                            | 83                            | 70                                                      | 22                                                       | 24                                                                | 60                                                                   | 30                                                    | 78                                                  | 144                                            |
| 281                   | 85                   | 12                   | 102                  | 83                            | 85                            | 69                                                      | 23                                                       | 23                                                                | 60                                                                   | 34                                                    | 72                                                  | 143                                            |
| 282                   | 86                   | 33                   | 102                  | 83                            | 85                            | 66                                                      | 23                                                       | 21                                                                | 57                                                                   | 33                                                    | 73                                                  | 140                                            |
| 283                   | 86                   | 54                   | 103                  | 83                            | 85                            | 64                                                      | 22                                                       | 22                                                                | 52                                                                   | 29                                                    | 72                                                  | 141                                            |
| 284                   | 87                   | 15                   | 103                  | 83                            | 85                            | 64                                                      | 26                                                       | 23                                                                | 56                                                                   | 32                                                    | 72                                                  | 140                                            |

| -01<br>SNECP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | PERCENT<br>TRAVEL | 1-18<br>R.H.<br>THROTT<br>POS | PERCENT<br>TRAVEL | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 285                   | 87                   | 30                   | 101                  | 83                            | 85                | 85                            | 85                | 66                                                      | 25                                                       | 25                                                                | 55                                                   | 20                                                    | 72                                                  | 139                                            |
| 286                   | 87                   | 58                   | 102                  | 83                            | 85                | 85                            | 85                | 66                                                      | 21                                                       | 24                                                                | 50                                                   | 32                                                    | 74                                                  | 139                                            |
| 287                   | 88                   | 19                   | 102                  | 83                            | 85                | 85                            | 85                | 66                                                      | 21                                                       | 22                                                                | 49                                                   | 32                                                    | 73                                                  | 142                                            |
| 288                   | 89                   | 40                   | 103                  | 83                            | 85                | 85                            | 85                | 62                                                      | 24                                                       | 23                                                                | 59                                                   | 31                                                    | 72                                                  | 142                                            |
| 289                   | 89                   | 1                    | 103                  | 83                            | 86                | 86                            | 86                | 63                                                      | 21                                                       | 22                                                                | 59                                                   | 32                                                    | 70                                                  | 135                                            |
| 290                   | 89                   | 22                   | 102                  | 83                            | 85                | 85                            | 85                | 66                                                      | 24                                                       | 23                                                                | 59                                                   | 32                                                    | 70                                                  | 142                                            |
| 291                   | 89                   | 43                   | 103                  | 83                            | 85                | 85                            | 85                | 64                                                      | 22                                                       | 19                                                                | 51                                                   | 29                                                    | 72                                                  | 139                                            |
| 292                   | 90                   | 5                    | 102                  | 83                            | 86                | 86                            | 86                | 62                                                      | 23                                                       | 22                                                                | 59                                                   | 32                                                    | 75                                                  | 141                                            |
| 293                   | 90                   | 26                   | 103                  | 83                            | 85                | 85                            | 85                | 65                                                      | 26                                                       | 21                                                                | 59                                                   | 32                                                    | 75                                                  | 144                                            |
| 294                   | 90                   | 47                   | 102                  | 83                            | 85                | 85                            | 85                | 67                                                      | 21                                                       | 23                                                                | 53                                                   | 34                                                    | 74                                                  | 141                                            |
| 295                   | 91                   | 6                    | 103                  | 83                            | 86                | 86                            | 86                | 63                                                      | 22                                                       | 23                                                                | 59                                                   | 33                                                    | 72                                                  | 140                                            |
| 296                   | 91                   | 25                   | 102                  | 83                            | 86                | 86                            | 86                | 64                                                      | 21                                                       | 20                                                                | 64                                                   | 33                                                    | 72                                                  | 139                                            |
| 297                   | 91                   | 50                   | 103                  | 83                            | 86                | 86                            | 86                | 64                                                      | 22                                                       | 23                                                                | 66                                                   | 29                                                    | 73                                                  | 137                                            |
| 298                   | 92                   | 11                   | 102                  | 83                            | 85                | 85                            | 85                | 62                                                      | 21                                                       | 23                                                                | 54                                                   | 31                                                    | 72                                                  | 137                                            |
| 299                   | 92                   | 33                   | 103                  | 83                            | 85                | 85                            | 85                | 66                                                      | 22                                                       | 23                                                                | 65                                                   | 32                                                    | 70                                                  | 139                                            |
| 300                   | 92                   | 54                   | 103                  | 83                            | 85                | 85                            | 85                | 66                                                      | 22                                                       | 23                                                                | 56                                                   | 31                                                    | 73                                                  | 142                                            |
| 301                   | 93                   | 15                   | 102                  | 83                            | 85                | 85                            | 85                | 64                                                      | 23                                                       | 22                                                                | 57                                                   | 35                                                    | 75                                                  | 140                                            |
| 302                   | 93                   | 36                   | 103                  | 83                            | 86                | 86                            | 86                | 63                                                      | 21                                                       | 24                                                                | 59                                                   | 33                                                    | 75                                                  | 138                                            |
| 303                   | 93                   | 57                   | 103                  | 83                            | 85                | 85                            | 85                | 64                                                      | 22                                                       | 21                                                                | 60                                                   | 33                                                    | 71                                                  | 140                                            |
| 304                   | 94                   | 10                   | 103                  | 83                            | 85                | 85                            | 85                | 65                                                      | 23                                                       | 21                                                                | 52                                                   | 31                                                    | 74                                                  | 140                                            |
| 305                   | 94                   | 39                   | 103                  | 83                            | 85                | 85                            | 85                | 63                                                      | 21                                                       | 23                                                                | 49                                                   | 33                                                    | 72                                                  | 136                                            |
| 306                   | 95                   | 1                    | 102                  | 83                            | 86                | 86                            | 86                | 63                                                      | 22                                                       | 26                                                                | 59                                                   | 32                                                    | 73                                                  | 141                                            |
| 307                   | 95                   | 22                   | 103                  | 83                            | 86                | 86                            | 86                | 63                                                      | 19                                                       | 22                                                                | 61                                                   | 33                                                    | 73                                                  | 138                                            |
| 308                   | 95                   | 43                   | 103                  | 83                            | 85                | 85                            | 85                | 62                                                      | 20                                                       | 24                                                                | 59                                                   | 32                                                    | 72                                                  | 138                                            |
| 309                   | 96                   | 4                    | 103                  | 83                            | 86                | 86                            | 86                | 60                                                      | 26                                                       | 21                                                                | 46                                                   | 35                                                    | 72                                                  | 134                                            |
| 310                   | 96                   | 25                   | 103                  | 83                            | 86                | 86                            | 86                | 60                                                      | 26                                                       | 26                                                                | 65                                                   | 32                                                    | 75                                                  | 140                                            |
| 311                   | 96                   | 46                   | 103                  | 83                            | 85                | 85                            | 85                | 66                                                      | 22                                                       | 26                                                                | 65                                                   | 32                                                    | 75                                                  | 140                                            |
| 312                   | 97                   | 7                    | 102                  | 83                            | 87                | 87                            | 87                | 64                                                      | 23                                                       | 23                                                                | 53                                                   | 28                                                    | 74                                                  | 142                                            |
| 313                   | 97                   | 29                   | 103                  | 83                            | 87                | 87                            | 87                | 64                                                      | 21                                                       | 24                                                                | 59                                                   | 31                                                    | 72                                                  | 140                                            |
| 314                   | 97                   | 50                   | 104                  | 83                            | 87                | 87                            | 87                | 65                                                      | 21                                                       | 23                                                                | 55                                                   | 35                                                    | 72                                                  | 136                                            |
| 315                   | 98                   | 11                   | 104                  | 84                            | 87                | 87                            | 87                | 66                                                      | 17                                                       | 21                                                                | 51                                                   | 32                                                    | 72                                                  | 120                                            |
| 316                   | 98                   | 32                   | 104                  | 84                            | 87                | 87                            | 87                | 66                                                      | 17                                                       | 19                                                                | 60                                                   | 28                                                    | 71                                                  | 72                                             |
| 317                   | 98                   | 52                   | 104                  | 84                            | 87                | 87                            | 87                | 49                                                      | 16                                                       | 22                                                                | 56                                                   | 26                                                    | 70                                                  | 72                                             |
| 318                   | 99                   | 14                   | 105                  | 84                            | 87                | 87                            | 87                | 51                                                      | 25                                                       | 18                                                                | 55                                                   | 31                                                    | 72                                                  | 74                                             |
| 319                   | 99                   | 35                   | 104                  | 84                            | 87                | 87                            | 87                | 50                                                      | 19                                                       | 21                                                                | 59                                                   | 32                                                    | 70                                                  | 70                                             |
| 320                   | 99                   | 56                   | 104                  | 84                            | 87                | 87                            | 87                | 53                                                      | 16                                                       | 19                                                                | 53                                                   | 28                                                    | 70                                                  | 72                                             |
| 321                   | 100                  | 17                   | 104                  | 84                            | 87                | 87                            | 87                | 47                                                      | 16                                                       | 21                                                                | 56                                                   | 32                                                    | 72                                                  | 72                                             |
| 322                   | 102                  | 36                   | 104                  | 84                            | 87                | 87                            | 87                | 51                                                      | 17                                                       | 21                                                                | 59                                                   | 32                                                    | 72                                                  | 70                                             |
| 323                   | 100                  | 59                   | 104                  | 84                            | 87                | 87                            | 87                | 52                                                      | 18                                                       | 20                                                                | 60                                                   | 27                                                    | 73                                                  | 71                                             |
| 324                   | 101                  | 20                   | 104                  | 84                            | 87                | 87                            | 87                | 50                                                      | 17                                                       | 20                                                                | 52                                                   | 23                                                    | 73                                                  | 69                                             |
| 325                   | 101                  | 41                   | 104                  | 84                            | 87                | 87                            | 87                | 53                                                      | 18                                                       | 19                                                                | 52                                                   | 23                                                    | 75                                                  | 74                                             |
| 326                   | 101                  | 1                    | 104                  | 84                            | 87                | 87                            | 87                | 51                                                      | 18                                                       | 20                                                                | 53                                                   | 32                                                    | 72                                                  | 72                                             |
| 327                   | 102                  | 27                   | 104                  | 84                            | 87                | 87                            | 87                | 55                                                      | 22                                                       | 20                                                                | 52                                                   | 32                                                    | 74                                                  | 138                                            |
| 328                   | 102                  | 44                   | 104                  | 84                            | 87                | 87                            | 87                | 65                                                      | 22                                                       | 26                                                                | 57                                                   | 36                                                    | 72                                                  | 148                                            |
| 329                   | 103                  | 5                    | 104                  | 84                            | 87                | 87                            | 87                | 66                                                      | 20                                                       | 24                                                                | 51                                                   | 30                                                    | 73                                                  | 136                                            |
| 330                   | 103                  | 26                   | 104                  | 84                            | 87                | 87                            | 87                | 66                                                      | 21                                                       | 24                                                                | 59                                                   | 32                                                    | 71                                                  | 140                                            |
| 331                   | 103                  | 44                   | 104                  | 84                            | 87                | 87                            | 87                | 62                                                      | 20                                                       | 23                                                                | 60                                                   | 28                                                    | 72                                                  | 133                                            |
| 332                   | 103                  | 0                    | 104                  | 84                            | 87                | 87                            | 87                | 63                                                      | 22                                                       | 23                                                                | 53                                                   | 31                                                    | 72                                                  | 141                                            |
| 333                   | 104                  | 3                    | 104                  | 84                            | 87                | 87                            | 87                | 64                                                      | 23                                                       | 22                                                                | 56                                                   | 32                                                    | 73                                                  | 146                                            |
| 334                   | 104                  | 17                   | 104                  | 84                            | 87                | 87                            | 87                | 62                                                      | 20                                                       | 26                                                                | 51                                                   | 34                                                    | 70                                                  | 139                                            |
| 335                   | 104                  | 37                   | 104                  | 84                            | 87                | 87                            | 87                | 63                                                      | 26                                                       | 22                                                                | 59                                                   | 32                                                    | 73                                                  | 143                                            |

| -91<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSI | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSI | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>OUTLET<br>PRESS<br>PSI | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSI | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSI | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSI | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSI |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|--------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------|----------------------------------------------------|-----------------------------------------------|
| 335                   | 105                  | 12                   | 104                  | 84                            | 83                            | 57                                                     | 20                                                      | 22                                                       | 57                                                          | 32                                                   | 67                                                 | 119                                           |
| 336                   | 105                  | 33                   | 102                  | 83                            | 83                            | 61                                                     | 24                                                      | 23                                                       | 54                                                          | 26                                                   | 69                                                 | 139                                           |
| 337                   | 105                  | 55                   | 103                  | 83                            | 83                            | 60                                                     | 18                                                      | 22                                                       | 53                                                          | 30                                                   | 69                                                 | 135                                           |
| 338                   | 106                  | 16                   | 103                  | 83                            | 83                            | 59                                                     | 21                                                      | 22                                                       | 60                                                          | 32                                                   | 70                                                 | 136                                           |
| 339                   | 106                  | 37                   | 102                  | 83                            | 82                            | 62                                                     | 21                                                      | 21                                                       | 49                                                          | 28                                                   | 71                                                 | 149                                           |
| 340                   | 106                  | 59                   | 103                  | 83                            | 83                            | 61                                                     | 20                                                      | 22                                                       | 48                                                          | 20                                                   | 69                                                 | 131                                           |
| 341                   | 107                  | 19                   | 103                  | 83                            | 83                            | 55                                                     | 20                                                      | 22                                                       | 51                                                          | 26                                                   | 67                                                 | 119                                           |
| 342                   | 107                  | 40                   | 104                  | 83                            | 83                            | 57                                                     | 22                                                      | 24                                                       | 59                                                          | 28                                                   | 68                                                 | 120                                           |
| 343                   | 108                  | 2                    | 102                  | 83                            | 83                            | 60                                                     | 22                                                      | 19                                                       | 51                                                          | 27                                                   | 72                                                 | 134                                           |
| 344                   | 108                  | 23                   | 104                  | 83                            | 83                            | 61                                                     | 20                                                      | 22                                                       | 60                                                          | 26                                                   | 70                                                 | 136                                           |
| 345                   | 108                  | 44                   | 102                  | 83                            | 83                            | 61                                                     | 22                                                      | 22                                                       | 56                                                          | 31                                                   | 68                                                 | 140                                           |
| 346                   | 108                  | 5                    | 105                  | 83                            | 83                            | 54                                                     | 19                                                      | 23                                                       | 59                                                          | 28                                                   | 69                                                 | 117                                           |
| 347                   | 109                  | 26                   | 103                  | 83                            | 83                            | 60                                                     | 22                                                      | 23                                                       | 56                                                          | 30                                                   | 69                                                 | 130                                           |
| 348                   | 109                  | 48                   | 103                  | 83                            | 83                            | 57                                                     | 19                                                      | 21                                                       | 59                                                          | 29                                                   | 72                                                 | 125                                           |
| 349                   | 110                  | 9                    | 103                  | 83                            | 83                            | 58                                                     | 25                                                      | 21                                                       | 51                                                          | 21                                                   | 72                                                 | 120                                           |
| 350                   | 110                  | 30                   | 101                  | 82                            | 82                            | 66                                                     | 21                                                      | 23                                                       | 59                                                          | 34                                                   | 75                                                 | 138                                           |
| 351                   | 110                  | 51                   | 104                  | 84                            | 83                            | 54                                                     | 20                                                      | 20                                                       | 59                                                          | 33                                                   | 71                                                 | 137                                           |
| 352                   | 111                  | 12                   | 103                  | 83                            | 83                            | 61                                                     | 22                                                      | 24                                                       | 57                                                          | 30                                                   | 71                                                 | 131                                           |
| 353                   | 111                  | 33                   | 103                  | 83                            | 83                            | 48                                                     | 18                                                      | 20                                                       | 60                                                          | 24                                                   | 68                                                 | 64                                            |
| 354                   | 111                  | 54                   | 104                  | 84                            | 83                            | 46                                                     | 17                                                      | 21                                                       | 61                                                          | 33                                                   | 71                                                 | 73                                            |
| 355                   | 112                  | 15                   | 104                  | 84                            | 83                            | 51                                                     | 18                                                      | 22                                                       | 57                                                          | 32                                                   | 72                                                 | 72                                            |
| 356                   | 112                  | 36                   | 105                  | 84                            | 83                            | 53                                                     | 20                                                      | 21                                                       | 55                                                          | 26                                                   | 70                                                 | 84                                            |
| 357                   | 112                  | 57                   | 104                  | 83                            | 82                            | 49                                                     | 18                                                      | 22                                                       | 63                                                          | 32                                                   | 71                                                 | 75                                            |
| 358                   | 113                  | 18                   | 104                  | 84                            | 87                            | 54                                                     | 16                                                      | 20                                                       | 65                                                          | 27                                                   | 72                                                 | 73                                            |
| 359                   | 113                  | 39                   | 103                  | 84                            | 83                            | 54                                                     | 17                                                      | 20                                                       | 51                                                          | 32                                                   | 72                                                 | 73                                            |
| 360                   | 114                  | 0                    | 104                  | 84                            | 82                            | 49                                                     | 19                                                      | 22                                                       | 58                                                          | 33                                                   | 73                                                 | 74                                            |
| 361                   | 114                  | 21                   | 105                  | 84                            | 83                            | 52                                                     | 19                                                      | 19                                                       | 62                                                          | 29                                                   | 72                                                 | 72                                            |
| 362                   | 114                  | 42                   | 104                  | 84                            | 82                            | 49                                                     | 20                                                      | 21                                                       | 58                                                          | 31                                                   | 73                                                 | 68                                            |
| 363                   | 115                  | 3                    | 104                  | 83                            | 82                            | 50                                                     | 17                                                      | 21                                                       | 55                                                          | 32                                                   | 73                                                 | 73                                            |
| 364                   | 115                  | 25                   | 69                   | 20                            | 77                            | 39                                                     | 15                                                      | 14                                                       | 52                                                          | 33                                                   | 54                                                 | 26                                            |
| 365                   | 115                  | 46                   | 42                   | 20                            | 77                            | 4                                                      | 2                                                       | 1                                                        | 5                                                           | 33                                                   | 15                                                 | 0                                             |
| 366                   | 116                  | 1                    | 42                   | 20                            | 77                            | 4                                                      | 1                                                       | 2                                                        | 1                                                           | 32                                                   | 2                                                  | 1                                             |
| 367                   | 116                  | 29                   | 4                    | 20                            | 77                            | 4                                                      | 2                                                       | 2                                                        | 2                                                           | 32                                                   | 15                                                 | 0                                             |
| 368                   | 119                  | 4                    | 4                    | 20                            | 77                            | 12                                                     | 2                                                       | 2                                                        | 2                                                           | 20                                                   | 0                                                  | 0                                             |
| 369                   | 119                  | 34                   | 4                    | 20                            | 77                            | 3                                                      | 0                                                       | 1                                                        | 3                                                           | 31                                                   | 0                                                  | 0                                             |
| 370                   | 120                  | 1                    | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 5                                                        | 3                                                           | 32                                                   | 0                                                  | 1                                             |
| 371                   | 120                  | 21                   | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 6                                                        | 1                                                           | 31                                                   | 3                                                  | 2                                             |
| 372                   | 120                  | 43                   | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 6                                                        | 2                                                           | 32                                                   | 0                                                  | 2                                             |
| 373                   | 121                  | 4                    | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 5                                                        | 3                                                           | 31                                                   | 1                                                  | 2                                             |
| 374                   | 121                  | 26                   | 4                    | 20                            | 77                            | 9                                                      | 1                                                       | 6                                                        | 3                                                           | 31                                                   | 4                                                  | 2                                             |
| 375                   | 121                  | 47                   | 4                    | 20                            | 77                            | 9                                                      | 1                                                       | 6                                                        | 3                                                           | 31                                                   | 1                                                  | 2                                             |
| 376                   | 122                  | 7                    | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 7                                                        | 3                                                           | 0                                                    | 1                                                  | 1                                             |
| 377                   | 122                  | 29                   | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 6                                                        | 2                                                           | 2                                                    | 0                                                  | 2                                             |
| 378                   | 122                  | 50                   | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 7                                                        | 2                                                           | 1                                                    | 0                                                  | 1                                             |
| 379                   | 124                  | 12                   | 4                    | 20                            | 77                            | 8                                                      | 1                                                       | 7                                                        | 3                                                           | 3                                                    | 0                                                  | 0                                             |
| 380                   | 124                  | 34                   | 4                    | 20                            | 77                            | 8                                                      | 1                                                       | 7                                                        | 3                                                           | 3                                                    | 0                                                  | 0                                             |
| 381                   | 124                  | 52                   | 4                    | 20                            | 77                            | 8                                                      | 1                                                       | 7                                                        | 3                                                           | 3                                                    | 0                                                  | 0                                             |
| 382                   | 129                  | 37                   | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 7                                                        | 2                                                           | 2                                                    | 1                                                  | 1                                             |
| 383                   | 130                  | 54                   | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 7                                                        | 2                                                           | 2                                                    | 1                                                  | 0                                             |
| 384                   | 130                  | 48                   | 4                    | 20                            | 77                            | 9                                                      | 0                                                       | 6                                                        | 2                                                           | 1                                                    | 1                                                  | 0                                             |

|                       |                      |                      |                      |                               |                   |                               |                   |                                                         |                                                          |                                                                   |                                                              |                                                       |                                                     |                                                |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | PERCENT<br>TRAVEL | 1-16<br>R.H.<br>THROTT<br>POS | PERCENT<br>TRAVEL | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
| 385                   | 131                  | 3                    | *                    | *                             | 5                 | *                             | 9                 | 1                                                       | 1                                                        | 6                                                                 | 2                                                            | 2                                                     | 0                                                   | 1                                              |
| 386                   | 139                  | 44                   | *                    | *                             | *                 | *                             | 10                | 1                                                       | 1                                                        | 4                                                                 | 4                                                            | 2                                                     | 0                                                   | 0                                              |
| 387                   | 140                  | 5                    | *                    | *                             | 5                 | *                             | 10                | 1                                                       | 1                                                        | 5                                                                 | 2                                                            | 3                                                     | 1                                                   | 0                                              |
| 388                   | 140                  | 27                   | *                    | *                             | *                 | *                             | 10                | 1                                                       | 1                                                        | 4                                                                 | 2                                                            | 4                                                     | 1                                                   | 0                                              |
| 389                   | 140                  | 49                   | *                    | *                             | *                 | *                             | 9                 | 1                                                       | 1                                                        | 4                                                                 | 3                                                            | 2                                                     | 0                                                   | 1                                              |
| 390                   | 141                  | 10                   | *                    | *                             | *                 | *                             | 11                | 2                                                       | 2                                                        | 3                                                                 | 3                                                            | 4                                                     | 3                                                   | 3                                              |
| 391                   | 148                  | 48                   | *                    | *                             | 5                 | *                             | 9                 | 1                                                       | 1                                                        | 3                                                                 | 2                                                            | 3                                                     | 1                                                   | 1                                              |
| 392                   | 149                  | 10                   | *                    | *                             | *                 | *                             | 9                 | 1                                                       | 1                                                        | 3                                                                 | 2                                                            | 2                                                     | 0                                                   | 1                                              |
| 393                   | 149                  | 31                   | *                    | *                             | *                 | *                             | 9                 | 1                                                       | 1                                                        | 3                                                                 | 4                                                            | 4                                                     | 3                                                   | 2                                              |
| 394                   | 149                  | 53                   | *                    | *                             | *                 | *                             | 9                 | 1                                                       | 1                                                        | 3                                                                 | 3                                                            | 4                                                     | 3                                                   | 0                                              |
| 395                   | 150                  | 15                   | *                    | *                             | *                 | *                             | 8                 | 1                                                       | 1                                                        | 2                                                                 | 3                                                            | 4                                                     | 3                                                   | 1                                              |
| 396                   | 150                  | 36                   | *                    | *                             | *                 | *                             | 8                 | 1                                                       | 1                                                        | 2                                                                 | 2                                                            | 2                                                     | 0                                                   | 1                                              |

HH-53C S/N 60-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

141

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG 1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 39                    | 1                    | 1                    | 4                                                       |
| 40                    | 1                    | 23                   | 4                                                       |
| 41                    | 1                    | 44                   | 4                                                       |
| 42                    | 2                    | 6                    | *                                                       |
| 43                    | 2                    | 27                   | 3                                                       |
| 44                    | 2                    | 49                   | 3                                                       |
| 45                    | 3                    | 10                   | 4                                                       |
| 46                    | 3                    | 32                   | 2                                                       |
| 47                    | 3                    | 53                   | 3                                                       |
| 48                    | 4                    | 14                   | 3                                                       |
| 49                    | 4                    | 36                   | 3                                                       |
| 50                    | 4                    | 57                   | 4                                                       |
| 51                    | 5                    | 19                   | 3                                                       |
| 52                    | 5                    | 40                   | 3                                                       |
| 53                    | 5                    | *                    | 3                                                       |
| 54                    | 6                    | 23                   | 4                                                       |
| 55                    | 6                    | 45                   | 4                                                       |
| 56                    | 7                    | 6                    | 4                                                       |
| 57                    | 7                    | 27                   | 4                                                       |
| 58                    | 7                    | 48                   | 3                                                       |
| 59                    | 8                    | 9                    | 4                                                       |
| 60                    | 8                    | 30                   | 4                                                       |
| 61                    | 8                    | 52                   | 4                                                       |
| 62                    | 9                    | 12                   | 4                                                       |
| 63                    | 9                    | 34                   | 4                                                       |
| 64                    | 9                    | 55                   | 4                                                       |
| 65                    | 9                    | 16                   | 4                                                       |
| 66                    | 10                   | 37                   | 4                                                       |
| 67                    | 10                   | *                    | 4                                                       |
| 68                    | 11                   | 19                   | 4                                                       |
| 69                    | 11                   | 41                   | *                                                       |
| 70                    | 12                   | 2                    | 3                                                       |
| 71                    | 12                   | 23                   | 3                                                       |
| 72                    | 12                   | 44                   | *                                                       |
| 73                    | 13                   | 5                    | *                                                       |
| 74                    | 13                   | 26                   | 1                                                       |
| 75                    | 13                   | 44                   | 5                                                       |
| 76                    | 14                   | 9                    | 4                                                       |
| 77                    | 14                   | 30                   | 3                                                       |
| 78                    | 14                   | 51                   | 3                                                       |
| 79                    | 15                   | 12                   | 3                                                       |
| 80                    | 15                   | 33                   | 3                                                       |
| 81                    | 15                   | 54                   | 3                                                       |
| 82                    | 16                   | 16                   | 3                                                       |
| 83                    | 16                   | 37                   | 2                                                       |

| -01<br>SWEET<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 04                    | 16                   | 50                   | 3                                                       |
| 05                    | 17                   | 19                   | 3                                                       |
| 06                    | 17                   | 40                   | 4                                                       |
| 07                    | 18                   | 1                    | 3                                                       |
| 08                    | 18                   | 22                   | 4                                                       |
| 09                    | 18                   | 43                   | 3                                                       |
| 90                    | 19                   | 5                    | 3                                                       |
| 91                    | 19                   | 26                   | 3                                                       |
| 92                    | 19                   | 47                   | 2                                                       |
| 93                    | 20                   | 8                    | 11                                                      |
| 94                    | 20                   | 29                   | 15                                                      |
| 95                    | 20                   | 50                   | 15                                                      |
| 96                    | 21                   | 11                   | 22                                                      |
| 97                    | 21                   | 32                   | 21                                                      |
| 98                    | 21                   | 53                   | 20                                                      |
| 99                    | 22                   | 35                   | 23                                                      |
| 100                   | 22                   | 56                   | 16                                                      |
| 101                   | 23                   | 17                   | 22                                                      |
| 102                   | 23                   | 38                   | 18                                                      |
| 103                   | 23                   | 59                   | 17                                                      |
| 104                   | 24                   | 20                   | 22                                                      |
| 105                   | 24                   | 41                   | 17                                                      |
| 106                   | 25                   | 2                    | 23                                                      |
| 107                   | 25                   | 23                   | 21                                                      |
| 108                   | 25                   | 44                   | 23                                                      |
| 109                   | 26                   | 5                    | 23                                                      |
| 110                   | 26                   | +                    | 23                                                      |
| 111                   | 26                   | 47                   | 23                                                      |
| 112                   | 27                   | 0                    | 25                                                      |
| 113                   | 27                   | 29                   | 23                                                      |
| 114                   | 27                   | 50                   | 21                                                      |
| 115                   | 28                   | 11                   | 23                                                      |
| 116                   | 28                   | 20                   | 24                                                      |
| 117                   | 28                   | 53                   | 25                                                      |
| 118                   | 29                   | 14                   | 22                                                      |
| 119                   | 29                   | 35                   | 25                                                      |
| 120                   | 29                   | 56                   | 25                                                      |
| 121                   | 30                   | 10                   | 24                                                      |
| 122                   | 30                   | 39                   | 26                                                      |
| 123                   | 31                   | 0                    | 25                                                      |
| 124                   | 31                   | 21                   | 25                                                      |
| 125                   | 31                   | 42                   | 25                                                      |
| 126                   | 32                   | 24                   | 24                                                      |
| 127                   | 32                   | 46                   | 25                                                      |
| 128                   | 32                   | 7                    | 24                                                      |
| 129                   | 33                   | 28                   | 23                                                      |
| 130                   | 33                   | 49                   | 24                                                      |
| 131                   | 34                   | 10                   | 25                                                      |
| 132                   | 34                   | 31                   | 25                                                      |
| 133                   | 34                   | 14                   | 25                                                      |
| 134                   | 34                   | 14                   | 25                                                      |



| 150 | -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG. 1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSI |
|-----|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 135 | 34                    | 53                   | 24                   |                                                         |
| 136 | 35                    | 14                   | 23                   |                                                         |
| 137 | 35                    | 35                   | 24                   |                                                         |
| 138 | 35                    | 56                   | 24                   |                                                         |
| 139 | 36                    | 17                   | 24                   |                                                         |
| 140 | 36                    | 38                   | 25                   |                                                         |
| 141 | 37                    | 0                    | 24                   |                                                         |
| 142 | 37                    | 21                   | 23                   |                                                         |
| 143 | 37                    | 42                   | 24                   |                                                         |
| 144 | 38                    | 3                    | 23                   |                                                         |
| 145 | 38                    | 24                   | 25                   |                                                         |
| 146 | 38                    | 45                   | 24                   |                                                         |
| 147 | 39                    | 6                    | 23                   |                                                         |
| 148 | 39                    | 27                   | 25                   |                                                         |
| 149 | 39                    | 49                   | 24                   |                                                         |
| 150 | 40                    | 10                   | 23                   |                                                         |
| 151 | 40                    | 31                   | 25                   |                                                         |
| 152 | 40                    | 52                   | 23                   |                                                         |
| 153 | 41                    | 13                   | 24                   |                                                         |
| 154 | 41                    | 34                   | 24                   |                                                         |
| 155 | 41                    | 55                   | 24                   |                                                         |
| 156 | 42                    | 16                   | 24                   |                                                         |
| 157 | 42                    | 37                   | 24                   |                                                         |
| 158 | 42                    | 57                   | 24                   |                                                         |
| 159 | 43                    | 20                   | 24                   |                                                         |
| 160 | 43                    | 41                   | 22                   |                                                         |
| 161 | 44                    | 2                    | 24                   |                                                         |
| 162 | 44                    | 23                   | 24                   |                                                         |
| 163 | 44                    | 44                   | 25                   |                                                         |
| 164 | 45                    | 5                    | 25                   |                                                         |
| 165 | 45                    | 26                   | 24                   |                                                         |
| 166 | 45                    | 47                   | 23                   |                                                         |
| 167 | 45                    | 68                   | 25                   |                                                         |
| 168 | 46                    | 30                   | 24                   |                                                         |
| 169 | 46                    | 51                   | 23                   |                                                         |
| 170 | 47                    | 12                   | 24                   |                                                         |
| 171 | 47                    | 33                   | 25                   |                                                         |
| 172 | 47                    | 54                   | 24                   |                                                         |
| 173 | 48                    | 15                   | 24                   |                                                         |
| 174 | 48                    | 36                   | 23                   |                                                         |
| 175 | 48                    | 57                   | 22                   |                                                         |
| 176 | 49                    | 17                   | 21                   |                                                         |
| 177 | 49                    | 40                   | *                    |                                                         |
| 178 | 50                    | 1                    | 23                   |                                                         |
| 179 | 50                    | 22                   | 22                   |                                                         |
| 180 | 50                    | 43                   | 23                   |                                                         |
| 181 | 51                    | 4                    | 23                   |                                                         |
| 182 | 51                    | 25                   | 23                   |                                                         |
| 183 | 51                    | 46                   | 24                   |                                                         |
| 184 | 52                    | 7                    | 23                   |                                                         |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG. 1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|
| 185                   | 52                   | 29                   | 22                                                       |
| 186                   | 52                   | 50                   | 22                                                       |
| 187                   | 53                   | 11                   | 23                                                       |
| 188                   | 53                   | 22                   | 24                                                       |
| 189                   | 53                   | 53                   | 23                                                       |
| 190                   | 54                   | 14                   | 25                                                       |
| 191                   | 54                   | 35                   | 23                                                       |
| 192                   | 54                   | 56                   | 23                                                       |
| 193                   | 55                   | 17                   | 23                                                       |
| 194                   | 55                   | 38                   | 23                                                       |
| 195                   | 55                   | 59                   | 24                                                       |
| 196                   | 56                   | 20                   | 24                                                       |
| 197                   | 56                   | 42                   | 23                                                       |
| 198                   | 57                   | 3                    | 27                                                       |
| 199                   | 57                   | 24                   | 24                                                       |
| 200                   | 57                   | 45                   | 23                                                       |
| 201                   | 58                   | 6                    | 23                                                       |
| 202                   | 58                   | 27                   | 17                                                       |
| 203                   | 58                   | 48                   | 18                                                       |
| 204                   | 59                   | 9                    | 21                                                       |
| 205                   | 59                   | 30                   | 18                                                       |
| 206                   | 59                   | 51                   | 21                                                       |
| 207                   | 60                   | 12                   | 23                                                       |
| 208                   | 60                   | 33                   | 23                                                       |
| 209                   | 60                   | 54                   | 23                                                       |
| 210                   | 61                   | 15                   | 27                                                       |
| 211                   | 61                   | 36                   | 21                                                       |
| 212                   | 61                   | 58                   | 23                                                       |
| 213                   | 62                   | 19                   | 24                                                       |
| 214                   | 62                   | 40                   | 23                                                       |
| 215                   | 63                   | 1                    | 22                                                       |
| 216                   | 63                   | 22                   | 25                                                       |
| 217                   | 63                   | 43                   | 24                                                       |
| 218                   | 64                   | 4                    | 25                                                       |
| 219                   | 64                   | 25                   | 24                                                       |
| 220                   | 64                   | 46                   | 23                                                       |
| 221                   | 65                   | 7                    | 24                                                       |
| 222                   | 65                   | 28                   | 23                                                       |
| 223                   | 65                   | 50                   | 21                                                       |
| 224                   | 66                   | 11                   | 22                                                       |
| 225                   | 66                   | 32                   | 23                                                       |
| 226                   | 66                   | 53                   | 23                                                       |
| 227                   | 67                   | 14                   | 23                                                       |
| 228                   | 67                   | 35                   | 24                                                       |
| 229                   | 67                   | 56                   | 23                                                       |
| 230                   | 68                   | 17                   | 24                                                       |
| 231                   | 68                   | 38                   | 23                                                       |
| 232                   | 68                   | 59                   | 22                                                       |
| 233                   | 69                   | 21                   | 23                                                       |
| 234                   | 69                   | 42                   | 23                                                       |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG. 1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|
| 235                   | 70                   | 3                    | 22                                                       |
| 236                   | 70                   | 24                   | 21                                                       |
| 237                   | 70                   | 45                   | 21                                                       |
| 238                   | 71                   | 6                    | 22                                                       |
| 239                   | 71                   | 27                   | 20                                                       |
| 240                   | 71                   | 48                   | 20                                                       |
| 241                   | 72                   | 9                    | 22                                                       |
| 242                   | 72                   | 30                   | 22                                                       |
| 243                   | 72                   | 51                   | 17                                                       |
| 244                   | 73                   | 12                   | 20                                                       |
| 245                   | 73                   | 33                   | 22                                                       |
| 246                   | 73                   | 54                   | 24                                                       |
| 247                   | 74                   | 15                   | 24                                                       |
| 248                   | 74                   | 36                   | 23                                                       |
| 249                   | 74                   | 57                   | 22                                                       |
| 250                   | 75                   | 18                   | 24                                                       |
| 251                   | 75                   | 39                   | 24                                                       |
| 252                   | 76                   | 0                    | 23                                                       |
| 253                   | 76                   | 22                   | 23                                                       |
| 254                   | 76                   | 43                   | 22                                                       |
| 255                   | 77                   | 4                    | 24                                                       |
| 256                   | 77                   | 25                   | 21                                                       |
| 257                   | 77                   | 46                   | 23                                                       |
| 258                   | 78                   | 7                    | 23                                                       |
| 259                   | 78                   | 28                   | 27                                                       |
| 260                   | 78                   | 49                   | 22                                                       |
| 261                   | 79                   | 11                   | 24                                                       |
| 262                   | 79                   | 32                   | 22                                                       |
| 263                   | 79                   | 53                   | 23                                                       |
| 264                   | 80                   | 14                   | 22                                                       |
| 265                   | 80                   | 35                   | 25                                                       |
| 266                   | 80                   | 56                   | 24                                                       |
| 267                   | 81                   | 17                   | 23                                                       |
| 268                   | 81                   | 39                   | 24                                                       |
| 269                   | 82                   | 0                    | 23                                                       |
| 270                   | 82                   | 21                   | 23                                                       |
| 271                   | 82                   | 42                   | 17                                                       |
| 272                   | 83                   | 3                    | 22                                                       |
| 273                   | 83                   | 24                   | 20                                                       |
| 274                   | 83                   | 45                   | 19                                                       |
| 275                   | 84                   | 6                    | 21                                                       |
| 276                   | 84                   | 27                   | 17                                                       |
| 277                   | 84                   | 48                   | 22                                                       |
| 278                   | 85                   | 9                    | 21                                                       |
| 279                   | 85                   | 30                   | 23                                                       |
| 280                   | 85                   | 51                   | 24                                                       |
| 281                   | 86                   | 12                   | 22                                                       |
| 282                   | 86                   | 33                   | 21                                                       |
| 283                   | 86                   | 54                   | 23                                                       |
| 284                   | 87                   | 15                   | 23                                                       |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>EWS.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 285                   | 87                   | 36                   | 23                                                      |
| 286                   | 87                   | 58                   | 23                                                      |
| 287                   | 88                   | 19                   | 24                                                      |
| 288                   | 88                   | 40                   | 23                                                      |
| 289                   | 89                   | 1                    | 22                                                      |
| 290                   | 89                   | 22                   | 23                                                      |
| 291                   | 89                   | 43                   | 23                                                      |
| 292                   | 90                   | 5                    | 22                                                      |
| 293                   | 90                   | 26                   | 23                                                      |
| 294                   | 90                   | 47                   | 22                                                      |
| 295                   | 91                   | 8                    | 21                                                      |
| 296                   | 91                   | 29                   | 22                                                      |
| 297                   | 91                   | 50                   | 22                                                      |
| 298                   | 92                   | 11                   | 21                                                      |
| 299                   | 92                   | 33                   | 22                                                      |
| 300                   | 92                   | 54                   | 22                                                      |
| 301                   | 93                   | 15                   | 21                                                      |
| 302                   | 93                   | 36                   | 22                                                      |
| 303                   | 93                   | 57                   | 22                                                      |
| 304                   | 94                   | 18                   | 22                                                      |
| 305                   | 94                   | 39                   | 21                                                      |
| 306                   | 95                   | 1                    | 22                                                      |
| 307                   | 95                   | 22                   | 24                                                      |
| 308                   | 95                   | 43                   | 21                                                      |
| 309                   | 96                   | 4                    | 21                                                      |
| 310                   | 96                   | 25                   | 22                                                      |
| 311                   | 96                   | 46                   | 24                                                      |
| 312                   | 97                   | 7                    | 23                                                      |
| 313                   | 97                   | 29                   | 23                                                      |
| 314                   | 97                   | 50                   | 22                                                      |
| 315                   | 98                   | 11                   | 19                                                      |
| 316                   | 98                   | 32                   | 20                                                      |
| 317                   | 98                   | 53                   | 18                                                      |
| 318                   | 99                   | 14                   | 22                                                      |
| 319                   | 99                   | 35                   | 18                                                      |
| 320                   | 99                   | 56                   | 17                                                      |
| 321                   | 100                  | 17                   | 21                                                      |
| 322                   | 100                  | 38                   | 18                                                      |
| 323                   | 100                  | 59                   | 22                                                      |
| 324                   | 101                  | 20                   | 21                                                      |
| 325                   | 101                  | 41                   | 17                                                      |
| 326                   | 102                  | 2                    | 22                                                      |
| 327                   | 102                  | 23                   | 22                                                      |
| 328                   | 102                  | 44                   | 22                                                      |
| 329                   | 103                  | 5                    | 22                                                      |
| 330                   | 103                  | 26                   | 23                                                      |
| 331                   | 103                  | 48                   | 23                                                      |
| 332                   | 104                  | 9                    | 23                                                      |
| 333                   | 104                  | 30                   | 21                                                      |
| 334                   | 104                  | 51                   | 23                                                      |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 335                   | 105                  | 12                   | 21                                                      |
| 336                   | 105                  | 32                   | 22                                                      |
| 337                   | 105                  | 35                   | 21                                                      |
| 338                   | 106                  | 16                   | 21                                                      |
| 339                   | 106                  | 37                   | 21                                                      |
| 340                   | 106                  | 58                   | 22                                                      |
| 341                   | 107                  | 19                   | 20                                                      |
| 342                   | 107                  | 40                   | 21                                                      |
| 343                   | 108                  | 2                    | 22                                                      |
| 344                   | 108                  | 23                   | 22                                                      |
| 345                   | 108                  | 44                   | 21                                                      |
| 346                   | 109                  | 5                    | 21                                                      |
| 347                   | 109                  | 26                   | 22                                                      |
| 348                   | 109                  | 48                   | 21                                                      |
| 349                   | 110                  | 9                    | 20                                                      |
| 350                   | 110                  | 30                   | 24                                                      |
| 351                   | 110                  | 51                   | 21                                                      |
| 352                   | 111                  | 12                   | 22                                                      |
| 353                   | 111                  | 33                   | 15                                                      |
| 354                   | 111                  | 54                   | 18                                                      |
| 355                   | 112                  | 15                   | 20                                                      |
| 356                   | 112                  | 36                   | 20                                                      |
| 357                   | 112                  | 57                   | 19                                                      |
| 358                   | 113                  | 14                   | 20                                                      |
| 359                   | 113                  | 39                   | 21                                                      |
| 360                   | 114                  | 0                    | 21                                                      |
| 361                   | 114                  | 21                   | 22                                                      |
| 362                   | 114                  | 42                   | 22                                                      |
| 363                   | 115                  | 3                    | 21                                                      |
| 364                   | 115                  | 25                   | 14                                                      |
| 365                   | 115                  | 46                   | 1                                                       |
| 366                   | 116                  | 6                    | 2                                                       |
| 367                   | 116                  | 29                   | 2                                                       |
| 368                   | 116                  | 4                    | 0                                                       |
| 369                   | 119                  | 38                   | 5                                                       |
| 370                   | 120                  | 5                    | 5                                                       |
| 371                   | 120                  | 21                   | 6                                                       |
| 372                   | 120                  | 43                   | 5                                                       |
| 373                   | 121                  | 4                    | 5                                                       |
| 374                   | 121                  | 26                   | 6                                                       |
| 375                   | 121                  | 7                    | 6                                                       |
| 376                   | 122                  | 29                   | 6                                                       |
| 377                   | 123                  | 50                   | 6                                                       |
| 378                   | 124                  | 12                   | 7                                                       |
| 379                   | 124                  | 34                   | 7                                                       |
| 380                   | 124                  | 52                   | •                                                       |
| 381                   | 129                  | 37                   | 7                                                       |
| 382                   | 129                  | 58                   | 6                                                       |
| 383                   | 130                  | 20                   | 6                                                       |
| 384                   | 130                  | 40                   | 6                                                       |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>END.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIS |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 385                   | 131                  | 3                    | 6                                                       |
| 386                   | 139                  | 44                   | 5                                                       |
| 387                   | 140                  | 5                    | 5                                                       |
| 388                   | 140                  | 27                   | 5                                                       |
| 389                   | 140                  | 49                   | 4                                                       |
| 390                   | 141                  | 10                   | 4                                                       |
| 391                   | 148                  | 48                   | 4                                                       |
| 392                   | 149                  | 10                   | 3                                                       |
| 393                   | 149                  | 31                   | 2                                                       |
| 394                   | 149                  | 53                   | 2                                                       |
| 395                   | 150                  | 15                   | 2                                                       |
| 396                   | 150                  | 36                   | 2                                                       |

HH-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(YAW<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 39                    | 1                    | 4                    | 0                                                        | 55                                                        | 65                                                       | 1                                                        | 100                                                       | 69                                                       | 0                                                            | 42                                                | 12                                                       | *                                                       |
| 40                    | 1                    | 25                   | 0                                                        | 35                                                        | 50                                                       | 0                                                        | 75                                                        | 64                                                       | 22                                                           | 36                                                | *                                                        | *                                                       |
| 41                    | 1                    | 47                   | 1                                                        | 20                                                        | 50                                                       | 0                                                        | 70                                                        | 54                                                       | 44                                                           | 12                                                | 8                                                        | *                                                       |
| 42                    | 2                    | 0                    | 1                                                        | 75                                                        | 40                                                       | 1                                                        | 65                                                        | 74                                                       | 42                                                           | 40                                                | 20                                                       | 0                                                       |
| 43                    | 2                    | 30                   | 1                                                        | 65                                                        | 15                                                       | 1                                                        | 50                                                        | 74                                                       | 30                                                           | 20                                                | 2                                                        | 0                                                       |
| 44                    | 2                    | 51                   | 1                                                        | 15                                                        | 15                                                       | 1                                                        | 75                                                        | 34                                                       | 34                                                           | 22                                                | 6                                                        | *                                                       |
| 45                    | 3                    | 13                   | 0                                                        | *                                                         | 60                                                       | 1                                                        | 100                                                       | 9                                                        | 36                                                           | 24                                                | 0                                                        | *                                                       |
| 46                    | 3                    | 34                   | 1                                                        | 70                                                        | 65                                                       | 2                                                        | 70                                                        | 39                                                       | 20                                                           | 38                                                | 4                                                        | *                                                       |
| 47                    | 3                    | 56                   | 1                                                        | 55                                                        | 35                                                       | 29                                                       | 3140                                                      | 3086                                                     | 20                                                           | 75                                                | 44                                                       | 10                                                      |
| 48                    | 4                    | 17                   | 1                                                        | 0                                                         | *                                                        | 26                                                       | 2975                                                      | 3031                                                     | 1047                                                         | *                                                 | 26                                                       | 9                                                       |
| 49                    | 4                    | 30                   | 0                                                        | 65                                                        | 55                                                       | 19                                                       | 3015                                                      | 3031                                                     | 1061                                                         | 40                                                | 24                                                       | 7                                                       |
| 50                    | 5                    | 0                    | 1                                                        | 55                                                        | 35                                                       | 40                                                       | 2970                                                      | 3016                                                     | 1049                                                         | 50                                                | 10                                                       | 9                                                       |
| 51                    | 5                    | 21                   | 0                                                        | 20                                                        | 40                                                       | 39                                                       | 3100                                                      | 2996                                                     | 1053                                                         | 50                                                | 10                                                       | 8                                                       |
| 52                    | 5                    | 43                   | 0                                                        | 55                                                        | 65                                                       | 23                                                       | 2925                                                      | 3006                                                     | 1057                                                         | 34                                                | 22                                                       | 7                                                       |
| 53                    | 5                    | 4                    | 1                                                        | 20                                                        | 5                                                        | 20                                                       | 3040                                                      | 2981                                                     | 1055                                                         | 46                                                | 14                                                       | 8                                                       |
| 54                    | 6                    | 26                   | 0                                                        | 60                                                        | 35                                                       | 27                                                       | 3025                                                      | 2996                                                     | 1065                                                         | 20                                                | 6                                                        | 8                                                       |
| 55                    | 6                    | 47                   | 0                                                        | 90                                                        | 55                                                       | 32                                                       | 3050                                                      | 3011                                                     | 1055                                                         | 48                                                | 32                                                       | 10                                                      |
| 56                    | 7                    | 9                    | 1                                                        | 90                                                        | 55                                                       | 27                                                       | 3015                                                      | 3001                                                     | 1071                                                         | 54                                                | 22                                                       | 9                                                       |
| 57                    | 7                    | 30                   | 0                                                        | 60                                                        | 55                                                       | 33                                                       | 3050                                                      | 2942                                                     | 64                                                           | 64                                                | 20                                                       | 10                                                      |
| 58                    | 7                    | 51                   | 1                                                        | 55                                                        | 50                                                       | 21                                                       | 3025                                                      | 3061                                                     | 60                                                           | 1069                                              | 980                                                      | 9                                                       |
| 59                    | 8                    | 12                   | 0                                                        | 50                                                        | 55                                                       | 26                                                       | 3000                                                      | 2947                                                     | 1065                                                         | 1067                                              | 40                                                       | 9                                                       |
| 60                    | 8                    | 33                   | 0                                                        | 55                                                        | 55                                                       | 36                                                       | 3090                                                      | 2916                                                     | 1049                                                         | 1059                                              | 22                                                       | 10                                                      |
| 61                    | 8                    | 54                   | 0                                                        | 50                                                        | 55                                                       | 33                                                       | 3040                                                      | 2931                                                     | 1055                                                         | 1055                                              | 28                                                       | 10                                                      |
| 62                    | 9                    | *                    | 0                                                        | 100                                                       | 60                                                       | 33                                                       | 3010                                                      | 3001                                                     | 1057                                                         | 1055                                              | 22                                                       | 10                                                      |
| 63                    | 9                    | 36                   | 0                                                        | 100                                                       | 60                                                       | 33                                                       | 3005                                                      | 2986                                                     | 1053                                                         | 1067                                              | 36                                                       | 10                                                      |
| 64                    | 9                    | 50                   | 1                                                        | 100                                                       | 65                                                       | 42                                                       | 3060                                                      | 3021                                                     | 1061                                                         | 1053                                              | 26                                                       | 10                                                      |
| 65                    | 10                   | 19                   | 0                                                        | 65                                                        | 65                                                       | 22                                                       | 3020                                                      | 3031                                                     | 1065                                                         | 1063                                              | 34                                                       | *                                                       |
| 66                    | 10                   | 40                   | 0                                                        | 65                                                        | 65                                                       | 27                                                       | 3080                                                      | 3016                                                     | 1065                                                         | 1059                                              | 40                                                       | 12                                                      |
| 67                    | 11                   | 1                    | 0                                                        | 65                                                        | 65                                                       | 30                                                       | 3060                                                      | 3021                                                     | 1055                                                         | 1051                                              | 36                                                       | 8                                                       |
| 68                    | 11                   | 22                   | 0                                                        | 65                                                        | 65                                                       | 44                                                       | 3030                                                      | 3021                                                     | 1061                                                         | 1061                                              | 36                                                       | 11                                                      |
| 69                    | 11                   | 43                   | 0                                                        | 65                                                        | 65                                                       | 13                                                       | 7000                                                      | 2991                                                     | 1041                                                         | 1025                                              | 6                                                        | 10                                                      |
| 70                    | 12                   | 4                    | 1                                                        | 60                                                        | 45                                                       | 44                                                       | 3010                                                      | 2986                                                     | 1043                                                         | 1047                                              | 26                                                       | 11                                                      |
| 71                    | 12                   | 26                   | 0                                                        | 35                                                        | 65                                                       | 40                                                       | 3020                                                      | 3031                                                     | 1037                                                         | 1043                                              | 18                                                       | 8                                                       |
| 72                    | 12                   | 47                   | 0                                                        | 40                                                        | 50                                                       | 23                                                       | 2955                                                      | 2967                                                     | 1049                                                         | 1049                                              | 20                                                       | 11                                                      |
| 73                    | 12                   | 8                    | 0                                                        | 45                                                        | 100                                                      | 44                                                       | 3100                                                      | 2981                                                     | 1043                                                         | 1051                                              | 26                                                       | 11                                                      |
| 74                    | 13                   | 29                   | 0                                                        | 65                                                        | 35                                                       | 13                                                       | 2875                                                      | 3021                                                     | 1041                                                         | 1045                                              | 30                                                       | 10                                                      |
| 75                    | 13                   | 50                   | 0                                                        | 65                                                        | 35                                                       | 40                                                       | 3025                                                      | 3016                                                     | 1047                                                         | 1039                                              | 30                                                       | 10                                                      |
| 76                    | 14                   | 11                   | 0                                                        | 65                                                        | 60                                                       | 25                                                       | 2920                                                      | 2962                                                     | 1041                                                         | 1037                                              | 26                                                       | 10                                                      |
| 77                    | 14                   | 33                   | 0                                                        | 65                                                        | 65                                                       | 20                                                       | 3020                                                      | 3021                                                     | 1045                                                         | 1033                                              | 22                                                       | 9                                                       |
| 78                    | 14                   | 54                   | 1                                                        | 55                                                        | 61                                                       | 26                                                       | 2960                                                      | 2956                                                     | 1043                                                         | 1047                                              | 22                                                       | *                                                       |
| 79                    | 15                   | 12                   | 0                                                        | 35                                                        | 60                                                       | 21                                                       | 3040                                                      | 3031                                                     | 1041                                                         | 1043                                              | 22                                                       | 10                                                      |
| 80                    | 15                   | 36                   | 0                                                        | 55                                                        | 40                                                       | 41                                                       | 3100                                                      | 3001                                                     | 1041                                                         | 1032                                              | 26                                                       | 7                                                       |
| 81                    | 15                   | 57                   | 1                                                        | 85                                                        | 90                                                       | 28                                                       | 3030                                                      | 3001                                                     | 1033                                                         | 1035                                              | 18                                                       | 11                                                      |
| 82                    | 15                   | *                    | 1                                                        | 91                                                        | 913                                                      | 26                                                       | 3100                                                      | 2977                                                     | 1035                                                         | 1029                                              | 26                                                       | 10                                                      |
| 83                    | 16                   | 79                   | *                                                        | 2464                                                      | 2466                                                     | 19                                                       | 3100                                                      | 2967                                                     | 1041                                                         | 1043                                              | 20                                                       | 11                                                      |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-12<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-13<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-14<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 84                    | 17                   | 0                    | 31                                                       | 2945                                                      | 2921                                                     | 21                                                        | 3100                                                      | 2966                                                     | 1041                                                     | 1039                                                     | 22                                                       | 9                                                        |
| 85                    | 17                   | 22                   | 15                                                       | 3010                                                      | 120                                                      | 34                                                        | 3050                                                      | 2957                                                     | 1027                                                     | 1047                                                     | 26                                                       | 6                                                        |
| 86                    | 17                   | 43                   | 30                                                       | 2990                                                      | 2951                                                     | 40                                                        | 3005                                                      | 2986                                                     | 50                                                       | 1047                                                     | 26                                                       | 10                                                       |
| 87                    | 18                   | 4                    | 25                                                       | 2985                                                      | 2956                                                     | 40                                                        | 3005                                                      | 2986                                                     | 50                                                       | 1047                                                     | 36                                                       | 10                                                       |
| 88                    | 18                   | 25                   | 26                                                       | 2985                                                      | 2956                                                     | 40                                                        | 3005                                                      | 2986                                                     | 50                                                       | 1047                                                     | 28                                                       | 10                                                       |
| 89                    | 18                   | 46                   | 32                                                       | 3001                                                      | 3032                                                     | 33                                                        | 3030                                                      | 2991                                                     | 1037                                                     | 1031                                                     | 20                                                       | 11                                                       |
| 90                    | 19                   | 7                    | 30                                                       | 3076                                                      | 3052                                                     | 40                                                        | 3020                                                      | 3001                                                     | 1037                                                     | 1031                                                     | 20                                                       | 9                                                        |
| 91                    | 19                   | 26                   | 25                                                       | 3066                                                      | 3022                                                     | 19                                                        | 3025                                                      | 2986                                                     | 1037                                                     | 1031                                                     | 30                                                       | 9                                                        |
| 92                    | 19                   | 49                   | 22                                                       | 2935                                                      | 2976                                                     | 40                                                        | 3040                                                      | 3031                                                     | 1049                                                     | 1045                                                     | 34                                                       | 7                                                        |
| 93                    | 20                   | 11                   | 24                                                       | 3081                                                      | 3062                                                     | 22                                                        | 3020                                                      | 3031                                                     | 1043                                                     | 1033                                                     | 36                                                       | 10                                                       |
| 94                    | 20                   | 32                   | 26                                                       | 3121                                                      | 3057                                                     | 26                                                        | 3030                                                      | 3001                                                     | 1043                                                     | 1033                                                     | 36                                                       | 10                                                       |
| 95                    | 20                   | 53                   | 15                                                       | 3066                                                      | 2991                                                     | 19                                                        | 3000                                                      | 2986                                                     | 1023                                                     | 1013                                                     | 20                                                       | 6                                                        |
| 96                    | 21                   | 14                   | 40                                                       | 2980                                                      | 3017                                                     | 23                                                        | 3020                                                      | 2986                                                     | 1041                                                     | 1041                                                     | 22                                                       | 10                                                       |
| 97                    | 21                   | 36                   | 32                                                       | 2980                                                      | 3017                                                     | 23                                                        | 3020                                                      | 2986                                                     | 1041                                                     | 1041                                                     | 22                                                       | 10                                                       |
| 98                    | 21                   | 55                   | 32                                                       | 3061                                                      | 3012                                                     | 36                                                        | 2960                                                      | 2967                                                     | 1041                                                     | 1039                                                     | 26                                                       | 11                                                       |
| 100                   | 22                   | 37                   | 27                                                       | 2985                                                      | 3032                                                     | 22                                                        | 3000                                                      | 3031                                                     | 1059                                                     | 1047                                                     | 26                                                       | 11                                                       |
| 101                   | 22                   | 58                   | 41                                                       | 3041                                                      | 3057                                                     | 22                                                        | 3000                                                      | 2986                                                     | 1059                                                     | 1047                                                     | 26                                                       | 11                                                       |
| 102                   | 23                   | 19                   | 21                                                       | 3066                                                      | 3027                                                     | 40                                                        | 3040                                                      | 2986                                                     | 1059                                                     | 1055                                                     | 22                                                       | 10                                                       |
| 103                   | 23                   | 40                   | 30                                                       | 2985                                                      | 3032                                                     | 25                                                        | 2980                                                      | 3021                                                     | 1057                                                     | 1033                                                     | 24                                                       | 9                                                        |
| 104                   | 24                   | 1                    | 26                                                       | 2980                                                      | 3032                                                     | 25                                                        | 2980                                                      | 3021                                                     | 1057                                                     | 1033                                                     | 24                                                       | 8                                                        |
| 105                   | 24                   | 22                   | 24                                                       | 3031                                                      | 3052                                                     | 32                                                        | 2965                                                      | 3001                                                     | 1051                                                     | 1047                                                     | 22                                                       | 6                                                        |
| 106                   | 24                   | 43                   | 25                                                       | 2980                                                      | 3032                                                     | 21                                                        | 3000                                                      | 2986                                                     | 1043                                                     | 1043                                                     | 24                                                       | 6                                                        |
| 107                   | 25                   | 4                    | 25                                                       | 2980                                                      | 3032                                                     | 21                                                        | 3000                                                      | 2986                                                     | 1043                                                     | 1043                                                     | 24                                                       | 6                                                        |
| 108                   | 25                   | 25                   | 21                                                       | 3051                                                      | 3027                                                     | 19                                                        | 3000                                                      | 2991                                                     | 1049                                                     | 1039                                                     | 36                                                       | 9                                                        |
| 109                   | 25                   | 46                   | 27                                                       | 2980                                                      | 3012                                                     | 21                                                        | 2995                                                      | 2981                                                     | 1043                                                     | 1045                                                     | 48                                                       | 7                                                        |
| 110                   | 26                   | 7                    | 33                                                       | 3021                                                      | 3017                                                     | 21                                                        | 2995                                                      | 2981                                                     | 1043                                                     | 1045                                                     | 48                                                       | 7                                                        |
| 111                   | 26                   | 28                   | 13                                                       | 3015                                                      | 3017                                                     | 26                                                        | 2945                                                      | 2957                                                     | 1043                                                     | 1031                                                     | 22                                                       | 9                                                        |
| 112                   | 26                   | 49                   | 13                                                       | 3015                                                      | 3017                                                     | 26                                                        | 2945                                                      | 2957                                                     | 1043                                                     | 1031                                                     | 22                                                       | 9                                                        |
| 113                   | 27                   | 10                   | 30                                                       | 3026                                                      | 3032                                                     | 25                                                        | 3060                                                      | 2991                                                     | 1049                                                     | 1033                                                     | 24                                                       | 10                                                       |
| 114                   | 27                   | 31                   | 26                                                       | 3000                                                      | 3052                                                     | 19                                                        | 3000                                                      | 2967                                                     | 1049                                                     | 1033                                                     | 20                                                       | 10                                                       |
| 115                   | 27                   | 52                   | 21                                                       | 3026                                                      | 3091                                                     | 32                                                        | 2965                                                      | 2957                                                     | 1043                                                     | 1045                                                     | 26                                                       | 10                                                       |
| 116                   | 28                   | 13                   | 31                                                       | 3015                                                      | 2961                                                     | 32                                                        | 3000                                                      | 2962                                                     | 1035                                                     | 1051                                                     | 22                                                       | 10                                                       |
| 117                   | 28                   | 35                   | 34                                                       | 2980                                                      | 3032                                                     | 27                                                        | 3090                                                      | 2986                                                     | 1061                                                     | 1043                                                     | 36                                                       | 9                                                        |
| 118                   | 28                   | 56                   | 32                                                       | 2985                                                      | 3032                                                     | 41                                                        | 2915                                                      | 2986                                                     | 1023                                                     | 1037                                                     | 22                                                       | 9                                                        |
| 119                   | 29                   | 17                   | 34                                                       | 2985                                                      | 3032                                                     | 41                                                        | 2915                                                      | 2986                                                     | 1023                                                     | 1037                                                     | 22                                                       | 9                                                        |
| 120                   | 29                   | 38                   | 24                                                       | 2930                                                      | 2951                                                     | 26                                                        | 2950                                                      | 2966                                                     | 1037                                                     | 1041                                                     | 24                                                       | 10                                                       |
| 121                   | 29                   | 59                   | 26                                                       | 2930                                                      | 2906                                                     | 28                                                        | 3060                                                      | 2977                                                     | 1031                                                     | 1031                                                     | 24                                                       | 10                                                       |
| 122                   | 30                   | 20                   | 22                                                       | 2985                                                      | 2981                                                     | 25                                                        | 3060                                                      | 3011                                                     | 1041                                                     | 1029                                                     | 24                                                       | 10                                                       |
| 123                   | 30                   | 41                   | 11                                                       | 3041                                                      | 2976                                                     | 32                                                        | 2995                                                      | 3006                                                     | 1061                                                     | 1047                                                     | 26                                                       | 11                                                       |
| 124                   | 31                   | 2                    | 21                                                       | 3121                                                      | 3006                                                     | 26                                                        | 3000                                                      | 2977                                                     | 1039                                                     | 1045                                                     | 26                                                       | 9                                                        |
| 125                   | 31                   | 24                   | 24                                                       | 2980                                                      | 3052                                                     | 13                                                        | 2955                                                      | 2981                                                     | 1049                                                     | 1033                                                     | 32                                                       | 9                                                        |
| 126                   | 31                   | 45                   | 21                                                       | 3066                                                      | 2976                                                     | 20                                                        | 3060                                                      | 3011                                                     | 1057                                                     | 1051                                                     | 24                                                       | 9                                                        |
| 127                   | 32                   | 6                    | 32                                                       | 3061                                                      | 2941                                                     | 21                                                        | 3050                                                      | 3031                                                     | 1047                                                     | 1047                                                     | 14                                                       | 9                                                        |
| 128                   | 32                   | 27                   | 21                                                       | 2965                                                      | 2991                                                     | 27                                                        | 3050                                                      | 2991                                                     | 1031                                                     | 1033                                                     | 14                                                       | 10                                                       |
| 129                   | 32                   | 48                   | 24                                                       | 2980                                                      | 3012                                                     | 30                                                        | 2920                                                      | 2967                                                     | 1027                                                     | 1033                                                     | 14                                                       | 10                                                       |
| 130                   | 33                   | 4                    | 20                                                       | 2980                                                      | 2986                                                     | 34                                                        | 2970                                                      | 2991                                                     | 1027                                                     | 1033                                                     | 14                                                       | 10                                                       |
| 131                   | 33                   | 31                   | 25                                                       | 2980                                                      | 3017                                                     | 24                                                        | 2980                                                      | 2991                                                     | 1027                                                     | 1033                                                     | 14                                                       | 10                                                       |
| 132                   | 33                   | 52                   | 26                                                       | 2980                                                      | 3017                                                     | 24                                                        | 2980                                                      | 2991                                                     | 1027                                                     | 1033                                                     | 14                                                       | 10                                                       |
| 133                   | 33                   | 7                    | 21                                                       | 2980                                                      | 3017                                                     | 24                                                        | 2980                                                      | 2991                                                     | 1027                                                     | 1033                                                     | 14                                                       | 10                                                       |
| 134                   | 33                   | 27                   | 19                                                       | 2985                                                      | 2976                                                     | 24                                                        | 2980                                                      | 2991                                                     | 1027                                                     | 1033                                                     | 14                                                       | 10                                                       |



| -01<br>SWEET<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>(LEFT<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(LEFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAM)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>CHAM)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAM)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 135                   | 34                   | 55                   | 32                                                       | 2965                                                      | 2981                                                      | 23                                                       | 2955                                                      | 2907                                                      | 1045                                                         | 1029                                                | 20                                                       | 10                                                      |
| 136                   | 35                   | 16                   | 30                                                       | 2980                                                      | 2941                                                      | 32                                                       | 2965                                                      | 2942                                                      | 1041                                                         | 1027                                                | 24                                                       | 9                                                       |
| 137                   | 35                   | 37                   | 40                                                       | 2980                                                      | 2926                                                      | 22                                                       | 3000                                                      | 2932                                                      | 1041                                                         | 1033                                                | 30                                                       | 10                                                      |
| 138                   | 35                   | 59                   | 21                                                       | 3026                                                      | 2916                                                      | 29                                                       | 2865                                                      | 3031                                                      | 1045                                                         | 1021                                                | 20                                                       | 10                                                      |
| 139                   | 36                   | 20                   | 27                                                       | 2980                                                      | 2936                                                      | 23                                                       | 3020                                                      | 2961                                                      | 1041                                                         | 1035                                                | 16                                                       | 7                                                       |
| 140                   | 36                   | 41                   | 37                                                       | 2980                                                      | 2931                                                      | 26                                                       | 2995                                                      | 2947                                                      | 1027                                                         | 1031                                                | 6                                                        | 8                                                       |
| 141                   | 37                   | 2                    | 25                                                       | 2980                                                      | 2935                                                      | 24                                                       | 2860                                                      | 2981                                                      | 1041                                                         | 1035                                                | 24                                                       | 7                                                       |
| 142                   | 37                   | 23                   | 24                                                       | 2950                                                      | 2946                                                      | 21                                                       | 2955                                                      | 2981                                                      | 1037                                                         | 1043                                                | 28                                                       | 7                                                       |
| 143                   | 37                   | 44                   | 40                                                       | 2980                                                      | 2956                                                      | 44                                                       | 2880                                                      | 2947                                                      | 1023                                                         | 1035                                                | 20                                                       | 9                                                       |
| 144                   | 38                   | 6                    | 21                                                       | 3061                                                      | 2971                                                      | 13                                                       | 3000                                                      | 2977                                                      | 1015                                                         | 1021                                                | 6                                                        | 7                                                       |
| 145                   | 38                   | 27                   | 21                                                       | 3020                                                      | 2965                                                      | 32                                                       | 2865                                                      | 2927                                                      | 1041                                                         | 1031                                                | 20                                                       | 6                                                       |
| 146                   | 38                   | 48                   | 20                                                       | 2965                                                      | 2931                                                      | 24                                                       | 2980                                                      | 2992                                                      | 1031                                                         | 1035                                                | 6                                                        | 4                                                       |
| 147                   | 39                   | 9                    | 24                                                       | 2980                                                      | 2926                                                      | 13                                                       | 3000                                                      | 2952                                                      | 1021                                                         | 1021                                                | 24                                                       | 9                                                       |
| 148                   | 39                   | 51                   | 35                                                       | 2900                                                      | 2941                                                      | 14                                                       | 2990                                                      | 2981                                                      | 1045                                                         | 1035                                                | 12                                                       | 9                                                       |
| 149                   | 39                   | 12                   | 13                                                       | 2970                                                      | 2926                                                      | 28                                                       | 2870                                                      | 2986                                                      | 1031                                                         | 1029                                                | 28                                                       | 6                                                       |
| 150                   | 40                   | 33                   | 13                                                       | 2965                                                      | 2876                                                      | 25                                                       | 3020                                                      | 2907                                                      | 1045                                                         | 1047                                                | 12                                                       | 10                                                      |
| 151                   | 40                   | 54                   | 21                                                       | 3026                                                      | 2981                                                      | 21                                                       | 3000                                                      | 2972                                                      | 1027                                                         | 1029                                                | 24                                                       | 10                                                      |
| 152                   | 41                   | 16                   | 26                                                       | 2980                                                      | 2951                                                      | 29                                                       | 2820                                                      | 2788                                                      | 1035                                                         | 1013                                                | 28                                                       | 3                                                       |
| 153                   | 41                   | 37                   | 24                                                       | 2980                                                      | 2951                                                      | 22                                                       | 2960                                                      | 2947                                                      | 1047                                                         | 1043                                                | 24                                                       | 6                                                       |
| 154                   | 41                   | 57                   | 40                                                       | 2839                                                      | 2926                                                      | 40                                                       | 2725                                                      | 3071                                                      | 1035                                                         | 1045                                                | 20                                                       | 7                                                       |
| 155                   | 42                   | 19                   | 13                                                       | 2824                                                      | 2932                                                      | 44                                                       | 2680                                                      | 3180                                                      | 1037                                                         | 1019                                                | 12                                                       | 8                                                       |
| 156                   | 42                   | 40                   | 21                                                       | 2915                                                      | 2981                                                      | 26                                                       | 3050                                                      | 2947                                                      | 1021                                                         | 1039                                                | 8                                                        | 5                                                       |
| 157                   | 42                   | 40                   | 21                                                       | 3020                                                      | 2965                                                      | 40                                                       | 2825                                                      | 2981                                                      | 1043                                                         | 1021                                                | 20                                                       | 5                                                       |
| 158                   | 43                   | 22                   | 24                                                       | 2865                                                      | 3001                                                      | 30                                                       | 2805                                                      | 2931                                                      | 1039                                                         | 1049                                                | 20                                                       | 7                                                       |
| 159                   | 43                   | 43                   | 24                                                       | 2939                                                      | 2891                                                      | 13                                                       | 3009                                                      | 2991                                                      | 1049                                                         | 1027                                                | 2                                                        | 8                                                       |
| 160                   | 43                   | 43                   | 21                                                       | 3020                                                      | 2941                                                      | 13                                                       | 2950                                                      | 2917                                                      | 1061                                                         | 1029                                                | 2                                                        | 10                                                      |
| 161                   | 44                   | 25                   | 11                                                       | 2930                                                      | 2971                                                      | 5                                                        | 2960                                                      | 2962                                                      | 1037                                                         | 1037                                                | 10                                                       | 9                                                       |
| 162                   | 44                   | 47                   | 25                                                       | 2930                                                      | 2917                                                      | 1                                                        | 3020                                                      | 2981                                                      | 1037                                                         | 1011                                                | 16                                                       | 5                                                       |
| 163                   | 44                   | 47                   | 25                                                       | 2930                                                      | 2917                                                      | 1                                                        | 2975                                                      | 2901                                                      | 1045                                                         | 1015                                                | 16                                                       | 9                                                       |
| 164                   | 45                   | 8                    | 12                                                       | 3040                                                      | 2926                                                      | 29                                                       | 2920                                                      | 2952                                                      | 1033                                                         | 1027                                                | 22                                                       | 10                                                      |
| 165                   | 45                   | 29                   | 47                                                       | 2947                                                      | 2941                                                      | 13                                                       | 2905                                                      | 3001                                                      | 1049                                                         | 1033                                                | 8                                                        | 14                                                      |
| 166                   | 45                   | 50                   | 47                                                       | 3064                                                      | 2926                                                      | 13                                                       | 2920                                                      | 2952                                                      | 1033                                                         | 1027                                                | 22                                                       | 10                                                      |
| 167                   | 46                   | 11                   | 24                                                       | 2960                                                      | 2930                                                      | 34                                                       | 3000                                                      | 2942                                                      | 1043                                                         | 1031                                                | 20                                                       | 6                                                       |
| 168                   | 46                   | 32                   | 21                                                       | 2965                                                      | 2912                                                      | 17                                                       | 2955                                                      | 2937                                                      | 1027                                                         | 1033                                                | 24                                                       | 7                                                       |
| 169                   | 46                   | 53                   | 40                                                       | 2860                                                      | 2906                                                      | 40                                                       | 3020                                                      | 2907                                                      | 1023                                                         | 1031                                                | 24                                                       | 6                                                       |
| 170                   | 47                   | 14                   | 32                                                       | 2841                                                      | 2926                                                      | 20                                                       | 2945                                                      | 2952                                                      | 1023                                                         | 1027                                                | 14                                                       | 10                                                      |
| 171                   | 47                   | 35                   | 24                                                       | 2880                                                      | 2951                                                      | 23                                                       | 3020                                                      | 2917                                                      | 1027                                                         | 1023                                                | 8                                                        | 6                                                       |
| 172                   | 47                   | 57                   | 40                                                       | 3041                                                      | 2971                                                      | 32                                                       | 2945                                                      | 2986                                                      | 1027                                                         | 1033                                                | 14                                                       | 6                                                       |
| 173                   | 48                   | 18                   | 41                                                       | 3020                                                      | 2961                                                      | 24                                                       | 2950                                                      | 2932                                                      | 1031                                                         | 1047                                                | 16                                                       | 6                                                       |
| 174                   | 48                   | 39                   | 21                                                       | 3061                                                      | 2921                                                      | 26                                                       | 2870                                                      | 2932                                                      | 1047                                                         | 1013                                                | 16                                                       | 7                                                       |
| 175                   | 49                   | 0                    | 25                                                       | 2980                                                      | 2951                                                      | 21                                                       | 2950                                                      | 2981                                                      | 1037                                                         | 1047                                                | 12                                                       | 6                                                       |
| 176                   | 49                   | 21                   | 21                                                       | 3020                                                      | 2921                                                      | 22                                                       | 3000                                                      | 2997                                                      | 1037                                                         | 1021                                                | 4                                                        | 5                                                       |
| 177                   | 49                   | 47                   | 21                                                       | 2965                                                      | 2921                                                      | 32                                                       | 3000                                                      | 2982                                                      | 1037                                                         | 1011                                                | 2                                                        | 7                                                       |
| 178                   | 50                   | 1                    | 21                                                       | 3061                                                      | 2911                                                      | 25                                                       | 2960                                                      | 2917                                                      | 1003                                                         | 1027                                                | 8                                                        | 5                                                       |
| 179                   | 50                   | 24                   | 24                                                       | 2880                                                      | 2876                                                      | 20                                                       | 2865                                                      | 2997                                                      | 1025                                                         | 1015                                                | 4                                                        | 6                                                       |
| 180                   | 50                   | 46                   | 13                                                       | 3061                                                      | 2921                                                      | 22                                                       | 3020                                                      | 2981                                                      | 1027                                                         | 1033                                                | 20                                                       | 9                                                       |
| 181                   | 51                   | 5                    | 26                                                       | 2930                                                      | 2891                                                      | 21                                                       | 3060                                                      | 2897                                                      | 1021                                                         | 1043                                                | 10                                                       | 10                                                      |
| 182                   | 51                   | 28                   | 29                                                       | 2839                                                      | 2915                                                      | 22                                                       | 2935                                                      | 2932                                                      | 1015                                                         | 1037                                                | 10                                                       | 6                                                       |
| 183                   | 51                   | 49                   | 41                                                       | 2900                                                      | 2876                                                      | 30                                                       | 3020                                                      | 2981                                                      | 1045                                                         | 1029                                                | 12                                                       | 7                                                       |
| 184                   | 52                   | 11                   | 32                                                       | 2824                                                      | 2866                                                      | 40                                                       | 2865                                                      | 2932                                                      | 1041                                                         | 1047                                                | 6                                                        | 10                                                      |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PRESS<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(ROLL<br>/YAW<br>CHAN)<br>PRESS<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 185                   | 52                   | 31                   | 17                                                       | 2920                                                      | 2481                                                              | 21                                                       | 3000                                                      | 2917                                                              | 1029                                                                  | 1007                                                                | 4                                                       | 5                                                       |
| 186                   | 52                   | 52                   | 21                                                       | 2824                                                      | 2891                                                              | 27                                                       | 2950                                                      | 2907                                                              | 1041                                                                  | 1015                                                                | 22                                                      | 1                                                       |
| 187                   | 53                   | 13                   | 26                                                       | 2980                                                      | 2881                                                              | 27                                                       | 3005                                                      | 2937                                                              | 1061                                                                  | 1043                                                                | 24                                                      | 6                                                       |
| 188                   | 53                   | 34                   | 19                                                       | 2824                                                      | 2921                                                              | 26                                                       | 2850                                                      | 2981                                                              | 1017                                                                  | 1019                                                                | 16                                                      | 10                                                      |
| 189                   | 53                   | 55                   | 27                                                       | 2985                                                      | *                                                                 | *                                                        | 2865                                                      | 2961                                                              | 1013                                                                  | 1023                                                                | 20                                                      | 6                                                       |
| 190                   | 54                   | 9                    | 24                                                       | 2950                                                      | 2926                                                              | 30                                                       | 2955                                                      | 2927                                                              | 1053                                                                  | 1051                                                                | 22                                                      | 6                                                       |
| 191                   | 54                   | 38                   | 32                                                       | 2900                                                      | 2836                                                              | 27                                                       | 3003                                                      | 2932                                                              | 1017                                                                  | 1027                                                                | 14                                                      | 3                                                       |
| 192                   | 54                   | 59                   | 29                                                       | 2854                                                      | 2926                                                              | 23                                                       | 2845                                                      | 2932                                                              | 1017                                                                  | 1019                                                                | 14                                                      | 8                                                       |
| 193                   | 55                   | 20                   | 27                                                       | 2980                                                      | 2931                                                              | 25                                                       | 2860                                                      | 2972                                                              | 1017                                                                  | 1033                                                                | 20                                                      | 10                                                      |
| 194                   | 55                   | 41                   | 14                                                       | 3026                                                      | 2941                                                              | 22                                                       | 3020                                                      | 2981                                                              | 1047                                                                  | 1035                                                                | 44                                                      | 3                                                       |
| 195                   | 56                   | 2                    | 40                                                       | 3026                                                      | 2961                                                              | 27                                                       | 2960                                                      | 2991                                                              | 1041                                                                  | 1047                                                                | 16                                                      | 3                                                       |
| 196                   | 56                   | 23                   | 21                                                       | 2824                                                      | 2981                                                              | 27                                                       | 2950                                                      | 2972                                                              | 1021                                                                  | 1033                                                                | 16                                                      | 10                                                      |
| 197                   | 56                   | 44                   | 24                                                       | 2900                                                      | 3012                                                              | 22                                                       | 3005                                                      | 2937                                                              | 1039                                                                  | 1035                                                                | 7                                                       | 7                                                       |
| 198                   | 57                   | 5                    | 26                                                       | 2980                                                      | 2976                                                              | 25                                                       | 2970                                                      | 2947                                                              | 1033                                                                  | 1047                                                                | 10                                                      | 7                                                       |
| 199                   | 57                   | 26                   | 31                                                       | 2980                                                      | 2936                                                              | 21                                                       | 3000                                                      | 2957                                                              | 1057                                                                  | 1035                                                                | 10                                                      | 8                                                       |
| 200                   | 57                   | 47                   | 43                                                       | 2880                                                      | 3012                                                              | 22                                                       | 3020                                                      | 2981                                                              | 1039                                                                  | 1031                                                                | 12                                                      | 10                                                      |
| 201                   | 58                   | 3                    | 44                                                       | 3041                                                      | 2971                                                              | 14                                                       | 2930                                                      | 2932                                                              | 1049                                                                  | 1025                                                                | 28                                                      | 10                                                      |
| 202                   | 58                   | 29                   | 25                                                       | 2900                                                      | 2936                                                              | 12                                                       | 2935                                                      | 2957                                                              | 1037                                                                  | 1031                                                                | 16                                                      | 10                                                      |
| 203                   | 58                   | 50                   | 30                                                       | 2960                                                      | 2936                                                              | 25                                                       | 2960                                                      | 2932                                                              | 1025                                                                  | 1027                                                                | 24                                                      | 6                                                       |
| 204                   | 59                   | 11                   | 21                                                       | 2965                                                      | 2936                                                              | 26                                                       | 2960                                                      | 2942                                                              | 1027                                                                  | 1031                                                                | 18                                                      | 10                                                      |
| 205                   | 59                   | 32                   | 21                                                       | 2965                                                      | 2971                                                              | 26                                                       | 2960                                                      | 2947                                                              | 1027                                                                  | 1017                                                                | 18                                                      | 6                                                       |
| 206                   | 59                   | 53                   | 34                                                       | 2980                                                      | 2981                                                              | 22                                                       | 2980                                                      | 3001                                                              | 1027                                                                  | 1027                                                                | 18                                                      | 9                                                       |
| 207                   | 60                   | 15                   | 32                                                       | 2890                                                      | 3012                                                              | 14                                                       | 2875                                                      | 2991                                                              | 1047                                                                  | 1035                                                                | 28                                                      | 7                                                       |
| 208                   | 60                   | 36                   | 29                                                       | 2844                                                      | 2906                                                              | 30                                                       | 2955                                                      | 2947                                                              | 1033                                                                  | 1019                                                                | 0                                                       | 10                                                      |
| 209                   | 60                   | 57                   | 21                                                       | 3020                                                      | 2921                                                              | 21                                                       | 3000                                                      | 2932                                                              | 1017                                                                  | 1019                                                                | 0                                                       | 6                                                       |
| 210                   | 61                   | 18                   | 25                                                       | 2900                                                      | 2951                                                              | 26                                                       | 3050                                                      | 2981                                                              | 1023                                                                  | 1015                                                                | 0                                                       | 7                                                       |
| 211                   | 61                   | 39                   | 32                                                       | 2960                                                      | 2956                                                              | 32                                                       | 3000                                                      | 2937                                                              | 1023                                                                  | 1013                                                                | 2                                                       | 9                                                       |
| 212                   | 62                   | 0                    | 21                                                       | 3020                                                      | 2941                                                              | 33                                                       | 2955                                                      | 2927                                                              | 1025                                                                  | 1019                                                                | 2                                                       | 8                                                       |
| 213                   | 62                   | 21                   | 21                                                       | 2915                                                      | 2911                                                              | 22                                                       | 3000                                                      | 2981                                                              | 1025                                                                  | 1017                                                                | 20                                                      | 7                                                       |
| 214                   | 62                   | 42                   | 21                                                       | 3066                                                      | 2911                                                              | 34                                                       | 2905                                                      | 2907                                                              | 1021                                                                  | 1019                                                                | 0                                                       | 8                                                       |
| 215                   | 63                   | 3                    | 32                                                       | 2824                                                      | 2981                                                              | 29                                                       | 2915                                                      | 2922                                                              | 1035                                                                  | 1035                                                                | 4                                                       | 4                                                       |
| 216                   | 63                   | 24                   | 26                                                       | 2980                                                      | 3012                                                              | 25                                                       | 2930                                                      | 2957                                                              | 1045                                                                  | 1037                                                                | 14                                                      | 10                                                      |
| 217                   | 64                   | 46                   | 27                                                       | 2980                                                      | 2945                                                              | 17                                                       | 2995                                                      | 3011                                                              | 1025                                                                  | 1027                                                                | 20                                                      | 1                                                       |
| 218                   | 64                   | 7                    | 24                                                       | 2960                                                      | 2976                                                              | 19                                                       | 3000                                                      | 2952                                                              | 1029                                                                  | 1019                                                                | 38                                                      | 10                                                      |
| 219                   | 64                   | 28                   | 21                                                       | 2935                                                      | 2961                                                              | 22                                                       | 3000                                                      | 2981                                                              | 1027                                                                  | 1029                                                                | 22                                                      | 8                                                       |
| 220                   | 64                   | 40                   | 23                                                       | 2844                                                      | 2921                                                              | 32                                                       | 2945                                                      | 2902                                                              | 1043                                                                  | 1023                                                                | 28                                                      | 3                                                       |
| 221                   | 65                   | 10                   | 26                                                       | 2900                                                      | 2951                                                              | 25                                                       | 2960                                                      | 2981                                                              | 1045                                                                  | 1017                                                                | 2                                                       | 9                                                       |
| 222                   | 65                   | 31                   | 19                                                       | 2880                                                      | 2961                                                              | 32                                                       | 2915                                                      | 2922                                                              | 1017                                                                  | 1035                                                                | 6                                                       | 6                                                       |
| 223                   | 65                   | 52                   | 29                                                       | 2890                                                      | 2951                                                              | 25                                                       | 2960                                                      | 2922                                                              | 1015                                                                  | 1023                                                                | 12                                                      | 9                                                       |
| 224                   | 66                   | 17                   | 27                                                       | 2980                                                      | 3012                                                              | 25                                                       | 2980                                                      | 2972                                                              | 1015                                                                  | 1013                                                                | 16                                                      | 6                                                       |
| 225                   | 66                   | 34                   | 21                                                       | 2885                                                      | 2921                                                              | 25                                                       | 2960                                                      | 2972                                                              | 1017                                                                  | 1027                                                                | 16                                                      | 3                                                       |
| 226                   | 67                   | 56                   | 11                                                       | 2839                                                      | 2915                                                              | 41                                                       | 2865                                                      | 2917                                                              | 1025                                                                  | 1043                                                                | 32                                                      | 1                                                       |
| 227                   | 67                   | 17                   | 11                                                       | 2865                                                      | 2945                                                              | 40                                                       | 2865                                                      | 2981                                                              | 1003                                                                  | 1027                                                                | 4                                                       | 10                                                      |
| 228                   | 67                   | 53                   | 21                                                       | 3020                                                      | 2915                                                              | 32                                                       | 2945                                                      | 2981                                                              | 1031                                                                  | 1025                                                                | 6                                                       | 4                                                       |
| 229                   | 67                   | 57                   | 23                                                       | 2960                                                      | 2961                                                              | 17                                                       | 2995                                                      | 2981                                                              | 1025                                                                  | 1025                                                                | 10                                                      | 10                                                      |
| 230                   | 68                   | 30                   | 32                                                       | 2965                                                      | 2941                                                              | 13                                                       | 2995                                                      | 2972                                                              | 1049                                                                  | 1035                                                                | 8                                                       | 7                                                       |
| 231                   | 68                   | 41                   | 17                                                       | 2940                                                      | 2941                                                              | 17                                                       | 2995                                                      | 2972                                                              | 1027                                                                  | 1037                                                                | 8                                                       | 4                                                       |
| 232                   | 69                   | 5                    | 26                                                       | 2980                                                      | 2926                                                              | 17                                                       | 3060                                                      | 2981                                                              | 1037                                                                  | 1047                                                                | 2                                                       | 9                                                       |
| 233                   | 69                   | 21                   | 41                                                       | 2980                                                      | 2976                                                              | 01                                                       | 2975                                                      | 2981                                                              | 1045                                                                  | 1027                                                                | 5                                                       | 10                                                      |
| 234                   | 69                   | 54                   | 42                                                       | 2961                                                      | 2976                                                              | 27                                                       | 3020                                                      | 2961                                                              | 1041                                                                  | 1027                                                                | 4                                                       | 10                                                      |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 2<br>(ROLL<br>/YAW<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 235                   | 70                   | 5                    | 40                                                       | 2880                                                      | 2951                                                     | 22                                                       | 3000                                                      | 2902                                                     | 1049                                                         | 1013                                                       | 2                                                        | 8                                                       |
| 236                   | 70                   | 26                   | 24                                                       | 2980                                                      | 2965                                                     | 23                                                       | 2960                                                      | 2897                                                     | 1011                                                         | 1011                                                       | 0                                                        | 0                                                       |
| 237                   | 70                   | 47                   | 24                                                       | 2980                                                      | 2886                                                     | 24                                                       | 2900                                                      | 2932                                                     | 1017                                                         | 1013                                                       | 0                                                        | 6                                                       |
| 238                   | 71                   | 8                    | 20                                                       | 2849                                                      | 2971                                                     | 32                                                       | 2950                                                      | 2902                                                     | 1021                                                         | 1013                                                       | *                                                        | 4                                                       |
| 239                   | 71                   | 29                   | 26                                                       | 2980                                                      | 2836                                                     | 36                                                       | 2950                                                      | 2954                                                     | 1015                                                         | 1023                                                       | *                                                        | 5                                                       |
| 240                   | 71                   | 50                   | 24                                                       | 2698                                                      | 2961                                                     | 40                                                       | 2925                                                      | 2892                                                     | 1021                                                         | 1007                                                       | -10                                                      | 3                                                       |
| 241                   | 72                   | 11                   | 40                                                       | 2880                                                      | 2966                                                     | 22                                                       | 3000                                                      | 2937                                                     | 1023                                                         | 1029                                                       | 16                                                       | 6                                                       |
| 242                   | 72                   | *                    | *                                                        | 2849                                                      | 2921                                                     | 25                                                       | 2880                                                      | 2887                                                     | 1021                                                         | 1027                                                       | *                                                        | 4                                                       |
| 243                   | 72                   | 53                   | 20                                                       | 3020                                                      | 2831                                                     | 20                                                       | 2905                                                      | 2837                                                     | 992                                                          | 1007                                                       | *                                                        | 3                                                       |
| 244                   | 73                   | 14                   | 27                                                       | 2980                                                      | 2926                                                     | 25                                                       | 2860                                                      | 2897                                                     | 984                                                          | 997                                                        | *                                                        | 5                                                       |
| 245                   | 73                   | 35                   | 24                                                       | 2980                                                      | 2976                                                     | 22                                                       | 3020                                                      | 2967                                                     | 1045                                                         | 1047                                                       | 0                                                        | 7                                                       |
| 246                   | 73                   | 56                   | 32                                                       | 2985                                                      | 3012                                                     | 40                                                       | 2875                                                      | 2917                                                     | 1023                                                         | 1035                                                       | 20                                                       | 5                                                       |
| 247                   | 74                   | 17                   | 30                                                       | 2985                                                      | 2931                                                     | 32                                                       | 2955                                                      | 2991                                                     | 1057                                                         | 1051                                                       | 0                                                        | 10                                                      |
| 248                   | 74                   | 39                   | 25                                                       | 2980                                                      | 3012                                                     | 32                                                       | 2955                                                      | 2991                                                     | 1045                                                         | 1029                                                       | 18                                                       | 9                                                       |
| 249                   | 75                   | 0                    | 21                                                       | 3061                                                      | 2966                                                     | 21                                                       | 3005                                                      | 2957                                                     | 1045                                                         | 1047                                                       | 14                                                       | 8                                                       |
| 250                   | 75                   | 21                   | 25                                                       | 2980                                                      | 2926                                                     | 23                                                       | 2910                                                      | 2967                                                     | 1045                                                         | 1033                                                       | 22                                                       | 9                                                       |
| 251                   | 75                   | 42                   | 27                                                       | 2980                                                      | 2931                                                     | 44                                                       | 2880                                                      | 2932                                                     | 1037                                                         | 1031                                                       | 20                                                       | 8                                                       |
| 252                   | 76                   | 3                    | 24                                                       | 2980                                                      | 2976                                                     | 21                                                       | 3000                                                      | 2996                                                     | 1037                                                         | 1031                                                       | 36                                                       | 6                                                       |
| 253                   | 76                   | 24                   | 21                                                       | 3061                                                      | 2941                                                     | 40                                                       | 3020                                                      | 2996                                                     | 1041                                                         | 1047                                                       | 38                                                       | 4                                                       |
| 254                   | 76                   | 45                   | 24                                                       | 2980                                                      | 2971                                                     | 21                                                       | 2995                                                      | 2972                                                     | 1043                                                         | 1021                                                       | 36                                                       | 8                                                       |
| 255                   | 77                   | 6                    | 41                                                       | 2854                                                      | 2976                                                     | 24                                                       | 3010                                                      | 3001                                                     | 1041                                                         | 1033                                                       | 36                                                       | 12                                                      |
| 256                   | 77                   | 27                   | 47                                                       | 2885                                                      | 2946                                                     | 40                                                       | 2865                                                      | 2981                                                     | 1039                                                         | 1033                                                       | 20                                                       | 6                                                       |
| 257                   | 77                   | 48                   | 21                                                       | 2985                                                      | 3012                                                     | 32                                                       | 2995                                                      | 2981                                                     | 1029                                                         | 1047                                                       | 8                                                        | 7                                                       |
| 258                   | 78                   | 10                   | 24                                                       | *                                                         | *                                                        | *                                                        | *                                                         | *                                                        | 1045                                                         | 1035                                                       | 36                                                       | 6                                                       |
| 259                   | 78                   | 31                   | 32                                                       | 2980                                                      | 2941                                                     | 36                                                       | 2970                                                      | 2981                                                     | 1023                                                         | 1025                                                       | 42                                                       | 10                                                      |
| 260                   | 78                   | 52                   | 32                                                       | 2950                                                      | 3052                                                     | 20                                                       | 3100                                                      | 2981                                                     | 1045                                                         | 1029                                                       | 40                                                       | 11                                                      |
| 261                   | 79                   | 13                   | 11                                                       | 3066                                                      | 2941                                                     | 27                                                       | 2980                                                      | 2952                                                     | 1041                                                         | 1035                                                       | 8                                                        | 7                                                       |
| 262                   | 79                   | 34                   | 21                                                       | 3061                                                      | 2941                                                     | 37                                                       | 3000                                                      | 2991                                                     | 1031                                                         | 1027                                                       | 16                                                       | 7                                                       |
| 263                   | 79                   | 55                   | 24                                                       | 2985                                                      | 2912                                                     | 31                                                       | 2895                                                      | 2961                                                     | 1027                                                         | 1043                                                       | 28                                                       | 9                                                       |
| 264                   | 80                   | 15                   | 24                                                       | 2981                                                      | 2912                                                     | 31                                                       | 300                                                       | 2972                                                     | 1045                                                         | 1047                                                       | 24                                                       | 7                                                       |
| 265                   | 80                   | 28                   | 21                                                       | 3076                                                      | 2976                                                     | 32                                                       | 3080                                                      | 2991                                                     | 1037                                                         | 1055                                                       | 16                                                       | 10                                                      |
| 266                   | 80                   | 59                   | 40                                                       | 2835                                                      | 2901                                                     | 32                                                       | 3000                                                      | 2977                                                     | 1047                                                         | 1029                                                       | 16                                                       | 10                                                      |
| 267                   | 81                   | 26                   | 21                                                       | 3061                                                      | 2971                                                     | 32                                                       | 3000                                                      | 2947                                                     | 1041                                                         | 1047                                                       | 20                                                       | 9                                                       |
| 268                   | 81                   | 41                   | 21                                                       | 3012                                                      | 2912                                                     | 32                                                       | 2995                                                      | 3011                                                     | 1045                                                         | 1047                                                       | 24                                                       | 10                                                      |
| 269                   | 82                   | 2                    | 24                                                       | 2981                                                      | 2965                                                     | 19                                                       | 3020                                                      | 2942                                                     | 1031                                                         | 1019                                                       | 10                                                       | 8                                                       |
| 270                   | 82                   | 23                   | 17                                                       | 2983                                                      | 2953                                                     | 26                                                       | 2980                                                      | 2936                                                     | 1049                                                         | 1033                                                       | 10                                                       | 8                                                       |
| 271                   | 82                   | 44                   | 21                                                       | 2943                                                      | 2906                                                     | 32                                                       | 2830                                                      | 2932                                                     | 1021                                                         | 1027                                                       | 4                                                        | 3                                                       |
| 272                   | 83                   | 5                    | 24                                                       | 2980                                                      | 2971                                                     | 40                                                       | 2920                                                      | 2897                                                     | 1023                                                         | 1027                                                       | 0                                                        | 10                                                      |
| 273                   | 83                   | 26                   | 21                                                       | 3061                                                      | 2991                                                     | 34                                                       | 2960                                                      | 2942                                                     | 1021                                                         | 1011                                                       | 4                                                        | 5                                                       |
| 274                   | 84                   | 47                   | 21                                                       | 3056                                                      | 2921                                                     | 29                                                       | 2910                                                      | 2981                                                     | 1013                                                         | 1013                                                       | 2                                                        | 5                                                       |
| 275                   | 84                   | 8                    | 48                                                       | 2975                                                      | 2926                                                     | 21                                                       | 2945                                                      | 2917                                                     | 1021                                                         | 1015                                                       | *                                                        | 8                                                       |
| 276                   | 84                   | 20                   | 34                                                       | 2900                                                      | 2961                                                     | 29                                                       | 2945                                                      | 2892                                                     | 1013                                                         | 1011                                                       | 0                                                        | 5                                                       |
| 277                   | 84                   | 51                   | 21                                                       | 2930                                                      | 2956                                                     | 40                                                       | 2825                                                      | 2917                                                     | 1013                                                         | 1015                                                       | 0                                                        | 10                                                      |
| 278                   | 85                   | 11                   | 26                                                       | 2839                                                      | 2941                                                     | 24                                                       | 2980                                                      | 2922                                                     | 1037                                                         | 1023                                                       | -10                                                      | 4                                                       |
| 279                   | 85                   | 37                   | 32                                                       | 2930                                                      | 2911                                                     | 27                                                       | 2870                                                      | 2867                                                     | 1011                                                         | 1009                                                       | 0                                                        | 10                                                      |
| 280                   | 85                   | 55                   | 32                                                       | 3066                                                      | 2911                                                     | 17                                                       | 2775                                                      | 2981                                                     | 1041                                                         | 1037                                                       | 16                                                       | 10                                                      |
| 281                   | 86                   | 33                   | 32                                                       | 2945                                                      | 2912                                                     | 29                                                       | 3010                                                      | 2897                                                     | 1021                                                         | 1017                                                       | 22                                                       | 9                                                       |
| 282                   | 86                   | 36                   | 19                                                       | 3020                                                      | 2974                                                     | 21                                                       | 3060                                                      | 2927                                                     | 1027                                                         | 1023                                                       | 22                                                       | 10                                                      |
| 283                   | 86                   | 57                   | 21                                                       | 2965                                                      | 2896                                                     | 40                                                       | 2915                                                      | 2957                                                     | 1023                                                         | 1035                                                       | 16                                                       | 10                                                      |
| 284                   | 87                   | 18                   | 24                                                       | 2930                                                      | 2926                                                     | 28                                                       | 2880                                                      | 2932                                                     | 1029                                                         | 1021                                                       | 16                                                       | 7                                                       |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/PIAN<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------|
| 205                   | 67                   | 33                   | 26                                                       | 2980                                                      | 2926                                                     | 21                                                        | 3000                                                     | 2952                                                      | 1025                                                         | 1033                                                         | 4                                                        | 5                                               |
| 206                   | 68                   | 0                    | 21                                                       | 3020                                                      | 2921                                                     | 40                                                        | 2880                                                     | 2922                                                      | 1033                                                         | 1027                                                         | 16                                                       | 8                                               |
| 207                   | 68                   | 21                   | 21                                                       | 3061                                                      | 2921                                                     | 20                                                        | 3000                                                     | 2907                                                      | 1039                                                         | 1025                                                         | 12                                                       | 10                                              |
| 208                   | 66                   | 43                   | 14                                                       | 3020                                                      | 2926                                                     | 20                                                        | 3020                                                     | 2897                                                      | 1027                                                         | 1029                                                         | 0                                                        | 4                                               |
| 209                   | 69                   | 4                    | 32                                                       | 2975                                                      | 2931                                                     | 25                                                        | 2960                                                     | 2937                                                      | 1031                                                         | 1023                                                         | 20                                                       | 10                                              |
| 210                   | 69                   | 25                   | 45                                                       | 2890                                                      | 2911                                                     | 34                                                        | 2970                                                     | 2932                                                      | 1029                                                         | 1017                                                         | 20                                                       | 6                                               |
| 211                   | 69                   | 46                   | 40                                                       | 2839                                                      | 2956                                                     | 22                                                        | 3000                                                     | 2942                                                      | 1023                                                         | 1011                                                         | 20                                                       | 20                                              |
| 212                   | 90                   | 7                    | 24                                                       | 2970                                                      | 2917                                                     | 21                                                        | 3100                                                     | 2942                                                      | 1023                                                         | 1023                                                         | 20                                                       | 9                                               |
| 213                   | 90                   | 28                   | 25                                                       | 2864                                                      | 2956                                                     | 25                                                        | 2980                                                     | 2981                                                      | 1031                                                         | 1035                                                         | 2                                                        | 7                                               |
| 214                   | 90                   | 49                   | 13                                                       | 2970                                                      | 2931                                                     | 25                                                        | 2880                                                     | 2991                                                      | 1027                                                         | 1047                                                         | 6                                                        | 4                                               |
| 215                   | 91                   | 10                   | 21                                                       | 2924                                                      | 2941                                                     | 23                                                        | 2875                                                     | 2942                                                      | 1037                                                         | 1029                                                         | 22                                                       | 5                                               |
| 216                   | 91                   | 32                   | 30                                                       | 2980                                                      | 2891                                                     | 13                                                        | 2995                                                     | 2937                                                      | 1037                                                         | 1027                                                         | -10                                                      | 7                                               |
| 217                   | 91                   | 53                   | 40                                                       | 2895                                                      | 2911                                                     | 40                                                        | 3020                                                     | 2981                                                      | 1021                                                         | 1027                                                         | 0                                                        | 8                                               |
| 218                   | 92                   | 14                   | 32                                                       | 3026                                                      | 2931                                                     | 21                                                        | 2920                                                     | 2937                                                      | 1029                                                         | 1025                                                         | 24                                                       | 5                                               |
| 219                   | 92                   | 35                   | 32                                                       | 2980                                                      | 2931                                                     | 40                                                        | 2920                                                     | 2981                                                      | 1033                                                         | 1017                                                         | 16                                                       | 6                                               |
| 220                   | 92                   | 56                   | 40                                                       | 2865                                                      | 2932                                                     | 32                                                        | 2955                                                     | 2932                                                      | 1031                                                         | 1019                                                         | 16                                                       | 5                                               |
| 221                   | 93                   | 17                   | 60                                                       | 3020                                                      | 2951                                                     | 32                                                        | 2880                                                     | 2917                                                      | 1029                                                         | 1029                                                         | 0                                                        | 5                                               |
| 222                   | 93                   | 39                   | 32                                                       | 2980                                                      | 2891                                                     | 22                                                        | 2955                                                     | 2917                                                      | 1023                                                         | 1023                                                         | 0                                                        | 6                                               |
| 223                   | 94                   | 0                    | 21                                                       | 2814                                                      | 2861                                                     | 21                                                        | 2955                                                     | 2972                                                      | 1021                                                         | 1035                                                         | 0                                                        | 6                                               |
| 224                   | 94                   | 21                   | 24                                                       | 2990                                                      | 2876                                                     | 22                                                        | 2915                                                     | 2942                                                      | 1045                                                         | 1023                                                         | 0                                                        | 10                                              |
| 225                   | 94                   | 42                   | 26                                                       | 2980                                                      | 2876                                                     | 40                                                        | 3080                                                     | 2922                                                      | 1041                                                         | 1027                                                         | 0                                                        | 2                                               |
| 226                   | 95                   | 7                    | 26                                                       | 2980                                                      | 2931                                                     | 32                                                        | 2955                                                     | 2952                                                      | 1027                                                         | 1019                                                         | 32                                                       | 1                                               |
| 227                   | 95                   | 24                   | 26                                                       | 2980                                                      | 2941                                                     | 21                                                        | 3000                                                     | 2937                                                      | 1041                                                         | 1023                                                         | 40                                                       | 8                                               |
| 228                   | 96                   | 45                   | 40                                                       | 3030                                                      | 2926                                                     | 21                                                        | 2925                                                     | 2907                                                      | 1025                                                         | 1027                                                         | 22                                                       | 6                                               |
| 229                   | 96                   | 7                    | 32                                                       | 2975                                                      | 2956                                                     | 21                                                        | 2945                                                     | 2942                                                      | 1027                                                         | 1025                                                         | 18                                                       | 6                                               |
| 230                   | 96                   | 28                   | 32                                                       | 2975                                                      | 2931                                                     | 14                                                        | 2865                                                     | 2932                                                      | 1025                                                         | 1027                                                         | 10                                                       | 10                                              |
| 231                   | 96                   | 49                   | 14                                                       | 2860                                                      | 2968                                                     | 40                                                        | 2865                                                     | 2967                                                      | 1027                                                         | 1031                                                         | 10                                                       | 10                                              |
| 232                   | 97                   | 10                   | 41                                                       | 3041                                                      | 2921                                                     | 25                                                        | 2960                                                     | 2907                                                      | 1027                                                         | 1035                                                         | 16                                                       | 10                                              |
| 233                   | 97                   | 31                   | 21                                                       | 2965                                                      | 2961                                                     | 22                                                        | 2955                                                     | 2957                                                      | 1035                                                         | 1023                                                         | 20                                                       | 10                                              |
| 234                   | 97                   | 52                   | 13                                                       | 2900                                                      | 2961                                                     | 24                                                        | 2890                                                     | 2942                                                      | 1041                                                         | 1023                                                         | 4                                                        | 6                                               |
| 235                   | 98                   | 12                   | 41                                                       | 3061                                                      | 2876                                                     | 21                                                        | 2980                                                     | 2887                                                      | 1021                                                         | 1007                                                         | 0                                                        | 7                                               |
| 236                   | 98                   | 34                   | 24                                                       | 3020                                                      | 2931                                                     | 32                                                        | 2880                                                     | 2892                                                      | 1023                                                         | 1007                                                         | 0                                                        | 4                                               |
| 237                   | 98                   | 55                   | 21                                                       | 2980                                                      | 2956                                                     | 22                                                        | 2945                                                     | 2897                                                      | 1017                                                         | 1007                                                         | 0                                                        | 5                                               |
| 238                   | 99                   | 16                   | 25                                                       | 2839                                                      | 2961                                                     | 25                                                        | 2960                                                     | 2902                                                      | 1005                                                         | 1015                                                         | -10                                                      | 5                                               |
| 239                   | 99                   | 77                   | 14                                                       | 2980                                                      | 2931                                                     | 27                                                        | 2880                                                     | 2887                                                      | 1005                                                         | 1007                                                         | -10                                                      | 6                                               |
| 240                   | 100                  | 56                   | 32                                                       | 2939                                                      | 2966                                                     | 40                                                        | 2875                                                     | 2922                                                      | 1007                                                         | 999                                                          | -4                                                       | 9                                               |
| 241                   | 100                  | 19                   | 32                                                       | 3061                                                      | 2846                                                     | 26                                                        | 2875                                                     | 2922                                                      | 1007                                                         | 999                                                          | -4                                                       | 10                                              |
| 242                   | 101                  | 40                   | 40                                                       | 3066                                                      | 2846                                                     | 32                                                        | 3000                                                     | 2892                                                      | 1017                                                         | 1009                                                         | -4                                                       | 13                                              |
| 243                   | 101                  | 1                    | 21                                                       | 2980                                                      | 2932                                                     | 13                                                        | 2905                                                     | 2867                                                      | 1017                                                         | 1011                                                         | -10                                                      | 10                                              |
| 244                   | 101                  | 22                   | 21                                                       | 2980                                                      | 2865                                                     | 32                                                        | 2880                                                     | 2932                                                      | 1003                                                         | 1011                                                         | -10                                                      | 10                                              |
| 245                   | 101                  | 43                   | 34                                                       | 3066                                                      | 2861                                                     | 40                                                        | 2945                                                     | 2937                                                      | 1015                                                         | 1009                                                         | 0                                                        | 4                                               |
| 246                   | 101                  | 43                   | 41                                                       | 3041                                                      | 2871                                                     | 22                                                        | 2950                                                     | 2962                                                      | 1035                                                         | 1033                                                         | 0                                                        | 6                                               |
| 247                   | 102                  | 4                    | 21                                                       | 3026                                                      | 2871                                                     | 22                                                        | 3000                                                     | 2952                                                      | 1041                                                         | 1017                                                         | 2                                                        | 7                                               |
| 248                   | 102                  | 25                   | 41                                                       | 3020                                                      | 2876                                                     | 17                                                        | 2945                                                     | 2907                                                      | 1031                                                         | 1031                                                         | 10                                                       | 7                                               |
| 249                   | 102                  | 47                   | 41                                                       | 2980                                                      | 2876                                                     | 21                                                        | 2945                                                     | 2952                                                      | 1031                                                         | 1027                                                         | 20                                                       | 4                                               |
| 250                   | 102                  | 8                    | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 251                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 252                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 253                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 254                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 255                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 256                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 257                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 258                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 259                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 260                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 261                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 262                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 263                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 264                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 265                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 266                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 267                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 268                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 269                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 270                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 271                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 272                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 273                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 274                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 275                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 276                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 277                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 278                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 279                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 280                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 281                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 282                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 283                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 284                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 285                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 286                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 287                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 288                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 289                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 290                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 291                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 292                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 293                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 294                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 295                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 296                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 297                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 298                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 299                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 300                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 301                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 302                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 303                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 304                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 305                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 306                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 307                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 308                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 309                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 310                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 311                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 312                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 313                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 314                   | 102                  | 20                   | 60                                                       | 2885                                                      | 2876                                                     | 21                                                        | 2915                                                     | 2986                                                      | 1031                                                         | 1025                                                         | 20                                                       | 6                                               |
| 315                   | 102                  | 20                   |                                                          |                                                           |                                                          |                                                           |                                                          |                                                           |                                                              |                                                              |                                                          |                                                 |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PRESS<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>PRESS<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PRESS<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------|
| 335                   | 105                  | 15                   | 41                                                       | 2764                                                      | 2841                                                     | 23                                                        | 2845                                                      | 2832                                                              | 1003                                                                  | 985                                                                  | *                                                                 | 5                                                       |
| 336                   | 105                  | 36                   | 24                                                       | 2839                                                      | 2886                                                     | 25                                                        | 2950                                                      | 2827                                                              | 1021                                                                  | 1011                                                                 | 0                                                                 | 5                                                       |
| 337                   | 105                  | 57                   | 21                                                       | 2824                                                      | 2775                                                     | 40                                                        | 2865                                                      | 2827                                                              | 1003                                                                  | 1011                                                                 | 0                                                                 | 5                                                       |
| 338                   | 106                  | 18                   | 27                                                       | 2980                                                      | 2876                                                     | 27                                                        | 2860                                                      | 2892                                                              | 1003                                                                  | 993                                                                  | *                                                                 | 6                                                       |
| 339                   | 106                  | 40                   | 32                                                       | 2849                                                      | 2911                                                     | 27                                                        | 2765                                                      | 2952                                                              | 1015                                                                  | 1015                                                                 | 2                                                                 | 5                                                       |
| 340                   | 107                  | 1                    | 24                                                       | 2880                                                      | 2911                                                     | 25                                                        | 2960                                                      | 2882                                                              | 1025                                                                  | 1011                                                                 | 2                                                                 | 5                                                       |
| 341                   | *                    | *                    | *                                                        | *                                                         | *                                                        | *                                                         | 2865                                                      | 2862                                                              | 984                                                                   | 987                                                                  | *                                                                 | 5                                                       |
| 342                   | 107                  | 43                   | 40                                                       | 2839                                                      | 2911                                                     | 25                                                        | 2880                                                      | 2872                                                              | 1009                                                                  | 1003                                                                 | *                                                                 | 7                                                       |
| 343                   | 108                  | 4                    | 24                                                       | 2980                                                      | 3012                                                     | 32                                                        | 2945                                                      | 2832                                                              | 1005                                                                  | 1011                                                                 | -4                                                                | 5                                                       |
| 344                   | 108                  | 25                   | 38                                                       | 3020                                                      | 2876                                                     | 21                                                        | 2825                                                      | 2892                                                              | 1009                                                                  | 991                                                                  | -10                                                               | 5                                                       |
| 345                   | 108                  | 47                   | 34                                                       | 2980                                                      | 2881                                                     | 24                                                        | 2870                                                      | 2837                                                              | 1011                                                                  | 1027                                                                 | *                                                                 | 6                                                       |
| 346                   | 109                  | 8                    | 21                                                       | 2883                                                      | 2831                                                     | 30                                                        | 2955                                                      | 2892                                                              | 1011                                                                  | 397                                                                  | *                                                                 | 5                                                       |
| 347                   | 109                  | 29                   | 19                                                       | 2764                                                      | 2786                                                     | 22                                                        | 2855                                                      | 2892                                                              | 1013                                                                  | 1015                                                                 | -8                                                                | 7                                                       |
| 348                   | 109                  | 50                   | 25                                                       | 2980                                                      | 2916                                                     | 21                                                        | 2795                                                      | 2981                                                              | 1027                                                                  | 1017                                                                 | -10                                                               | 10                                                      |
| 349                   | 110                  | 11                   | 24                                                       | 2814                                                      | 2871                                                     | 40                                                        | 2945                                                      | 2822                                                              | 1000                                                                  | 995                                                                  | *                                                                 | 5                                                       |
| 350                   | 110                  | 32                   | 24                                                       | 2890                                                      | 2941                                                     | 27                                                        | 2980                                                      | 2892                                                              | 1021                                                                  | 1027                                                                 | 16                                                                | 8                                                       |
| 351                   | 110                  | 54                   | 49                                                       | 2965                                                      | 2856                                                     | 24                                                        | 3000                                                      | 2783                                                              | 1021                                                                  | 1007                                                                 | 0                                                                 | 8                                                       |
| 352                   | 111                  | 15                   | 12                                                       | 2980                                                      | 2961                                                     | 25                                                        | 2860                                                      | 2794                                                              | 1021                                                                  | 1027                                                                 | 2                                                                 | 10                                                      |
| 353                   | 111                  | 36                   | 21                                                       | 2980                                                      | 2906                                                     | 40                                                        | 2890                                                      | 2912                                                              | 1019                                                                  | 1011                                                                 | 0                                                                 | 5                                                       |
| 354                   | 111                  | 57                   | 24                                                       | 2880                                                      | 3012                                                     | 30                                                        | 2860                                                      | 2907                                                              | 1009                                                                  | 1021                                                                 | 8                                                                 | 8                                                       |
| 355                   | 112                  | 18                   | *                                                        | 2849                                                      | 2861                                                     | 24                                                        | 2920                                                      | 2922                                                              | 1041                                                                  | 1019                                                                 | 0                                                                 | 6                                                       |
| 356                   | 112                  | 39                   | 21                                                       | 2848                                                      | 2821                                                     | 32                                                        | 2955                                                      | 2932                                                              | 992                                                                   | 999                                                                  | *                                                                 | 8                                                       |
| 357                   | 113                  | 0                    | 27                                                       | 2849                                                      | 2911                                                     | 26                                                        | 3080                                                      | 2942                                                              | 1009                                                                  | 1027                                                                 | -8                                                                | 10                                                      |
| 358                   | 113                  | 21                   | 32                                                       | 2900                                                      | 2926                                                     | 72                                                        | 2880                                                      | 2932                                                              | 1013                                                                  | 1027                                                                 | 0                                                                 | 9                                                       |
| 359                   | 113                  | 42                   | 21                                                       | 2980                                                      | 3012                                                     | 11                                                        | 2930                                                      | 2932                                                              | 1009                                                                  | 1025                                                                 | 0                                                                 | 1                                                       |
| 360                   | 114                  | 3                    | 27                                                       | 2890                                                      | 2871                                                     | 28                                                        | 2805                                                      | 2922                                                              | 1007                                                                  | 1013                                                                 | *                                                                 | 2                                                       |
| 361                   | 114                  | 24                   | 20                                                       | 2980                                                      | 2956                                                     | 40                                                        | 2940                                                      | 2902                                                              | 1017                                                                  | 1027                                                                 | 4                                                                 | 9                                                       |
| 362                   | 114                  | 45                   | 21                                                       | 2980                                                      | 2961                                                     | 10                                                        | 2935                                                      | 2892                                                              | 1021                                                                  | 1027                                                                 | 8                                                                 | 5                                                       |
| 363                   | 115                  | 6                    | 41                                                       | 2965                                                      | 2926                                                     | 40                                                        | 2935                                                      | 2932                                                              | 1015                                                                  | 1027                                                                 | 16                                                                | 5                                                       |
| 364                   | 115                  | 28                   | 14                                                       | 2934                                                      | 2901                                                     | 32                                                        | 2940                                                      | 2907                                                              | 1029                                                                  | 1013                                                                 | 2                                                                 | 6                                                       |
| 365                   | 115                  | 49                   | 10                                                       | 2749                                                      | 2750                                                     | 22                                                        | 2955                                                      | 2897                                                              | 1027                                                                  | 1027                                                                 | 0                                                                 | 6                                                       |
| 366                   | 116                  | 10                   | -0                                                       | 20                                                        | 20                                                       | 23                                                        | 2980                                                      | 2952                                                              | 1023                                                                  | 1027                                                                 | 2                                                                 | 5                                                       |
| 367                   | 116                  | 21                   | 0                                                        | 0                                                         | 50                                                       | 40                                                        | 3080                                                      | 2981                                                              | 44                                                                    | 20                                                                   | 4                                                                 | 10                                                      |
| 368                   | 116                  | 31                   | 0                                                        | 0                                                         | 50                                                       | 27                                                        | 2975                                                      | 2947                                                              | 32                                                                    | 38                                                                   | 20                                                                | 7                                                       |
| 369                   | 119                  | 6                    | -0                                                       | 40                                                        | 60                                                       | 33                                                        | 2970                                                      | 2981                                                              | 56                                                                    | 38                                                                   | 10                                                                | 10                                                      |
| 370                   | 120                  | 41                   | -0                                                       | 20                                                        | 40                                                       | 23                                                        | 2960                                                      | 2967                                                              | 40                                                                    | 38                                                                   | 4                                                                 | 10                                                      |
| 371                   | 123                  | 24                   | -0                                                       | 25                                                        | 40                                                       | 42                                                        | 2990                                                      | 2927                                                              | 60                                                                    | 44                                                                   | 8                                                                 | 9                                                       |
| 372                   | 123                  | 45                   | 0                                                        | 5                                                         | 30                                                       | 23                                                        | 3060                                                      | 2942                                                              | 1031                                                                  | 1021                                                                 | 6                                                                 | 10                                                      |
| 373                   | 121                  | 7                    | 0                                                        | 10                                                        | 30                                                       | 24                                                        | 2920                                                      | 2952                                                              | 1045                                                                  | 1021                                                                 | 4                                                                 | 7                                                       |
| 374                   | 121                  | 28                   | 0                                                        | 5                                                         | 50                                                       | 24                                                        | 2970                                                      | 2932                                                              | 1027                                                                  | 1019                                                                 | 8                                                                 | 7                                                       |
| 375                   | 123                  | 10                   | -0                                                       | 25                                                        | 50                                                       | -0                                                        | 45                                                        | 26                                                                | 8                                                                     | 16                                                                   | 2                                                                 | 1                                                       |
| 376                   | 123                  | 31                   | 0                                                        | 15                                                        | 30                                                       | -0                                                        | 50                                                        | 24                                                                | 6                                                                     | 4                                                                    | -2                                                                | 0                                                       |
| 377                   | 123                  | 31                   | 0                                                        | 10                                                        | 45                                                       | -0                                                        | 25                                                        | 14                                                                | 2                                                                     | 4                                                                    | -2                                                                | 0                                                       |
| 378                   | 124                  | 15                   | -0                                                       | 20                                                        | 25                                                       | 0                                                         | 35                                                        | 39                                                                | 6                                                                     | 4                                                                    | 0                                                                 | 0                                                       |
| 379                   | 124                  | 36                   | -0                                                       | 15                                                        | 50                                                       | -0                                                        | 45                                                        | 14                                                                | 8                                                                     | 4                                                                    | -10                                                               | 0                                                       |
| 380                   | 129                  | 15                   | *                                                        | *                                                         | *                                                        | *                                                         | *                                                         | *                                                                 | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 381                   | 129                  | 39                   | -0                                                       | 15                                                        | 15                                                       | -1                                                        | 50                                                        | 24                                                                | 16                                                                    | 10                                                                   | 0                                                                 | *                                                       |
| 382                   | 130                  | 1                    | *                                                        | 15                                                        | 10                                                       | -1                                                        | 10                                                        | 49                                                                | 14                                                                    | 4                                                                    | *                                                                 | *                                                       |
| 383                   | 133                  | 22                   | *                                                        | 0                                                         | 35                                                       | -0                                                        | 15                                                        | 4                                                                 | 6                                                                     | 6                                                                    | *                                                                 | *                                                       |
| 384                   | 139                  | 44                   | -0                                                       | 0                                                         | 25                                                       | -0                                                        | 35                                                        | 14                                                                | 20                                                                    | 0                                                                    | -10                                                               | *                                                       |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>LAFT<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>LAFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 385                   | 131                  | 6                    | -0                                                       | 25                                                        | 10                                                       | -1                                                       | 30                                                        | 3                                                        | 20                                                           | 4                                                           | *                                                        | *                                                       |
| 386                   | 139                  | 46                   | -0                                                       | 50                                                        | 70                                                       | -1                                                       | 25                                                        | 43                                                       | 10                                                           | 4                                                           | 0                                                        | 0                                                       |
| 387                   | 140                  | 8                    | 0                                                        | 50                                                        | 25                                                       | -0                                                       | 20                                                        | 39                                                       | 20                                                           | 10                                                          | 0                                                        | 0                                                       |
| 388                   | 140                  | 30                   | -0                                                       | 25                                                        | 30                                                       | -1                                                       | 40                                                        | 14                                                       | 20                                                           | 16                                                          | 4                                                        | +                                                       |
| 389                   | 140                  | 51                   | 0                                                        | 30                                                        | 0                                                        | -1                                                       | 40                                                        | 24                                                       | 20                                                           | 20                                                          | 10                                                       | +                                                       |
| 390                   | 141                  | 13                   | 0                                                        | 60                                                        | 70                                                       | -0                                                       | 35                                                        | 14                                                       | 30                                                           | 20                                                          | +                                                        | 0                                                       |
| 391                   | 146                  | 51                   | 0                                                        | 50                                                        | 55                                                       | -1                                                       | 50                                                        | 39                                                       | 24                                                           | 24                                                          | 4                                                        | +                                                       |
| 392                   | 149                  | 12                   | -0                                                       | 40                                                        | 50                                                       | -1                                                       | 50                                                        | 49                                                       | 20                                                           | 20                                                          | 2                                                        | 0                                                       |
| 393                   | 149                  | 34                   | -0                                                       | 25                                                        | 70                                                       | -0                                                       | 50                                                        | 14                                                       | 24                                                           | 10                                                          | 6                                                        | 0                                                       |
| 394                   | 149                  | 56                   | -0                                                       | 40                                                        | 70                                                       | -0                                                       | 10                                                        | 34                                                       | 20                                                           | 22                                                          | 0                                                        | +                                                       |
| 395                   | 150                  | 17                   | 0                                                        | 60                                                        | 25                                                       | -0                                                       | 50                                                        | 24                                                       | 22                                                           | 20                                                          | 0                                                        | 0                                                       |
| 396                   | 150                  | 39                   | -0                                                       | 50                                                        | 20                                                       | -0                                                       | 30                                                        | 54                                                       | 20                                                           | 20                                                          | 2                                                        | +                                                       |

HH-57C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>ISTAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>POTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 39                    | 1                    | 4                    | 101                                                      | 26                                                          | 38                                                         | *                                                        |
| 40                    | 1                    | 25                   | 40                                                       | 22                                                          | 32                                                         | *                                                        |
| 41                    | 1                    | 47                   | 65                                                       | 14                                                          | 34                                                         | *                                                        |
| 42                    | 2                    | 8                    | 50                                                       | 26                                                          | 40                                                         | *                                                        |
| 43                    | 2                    | 30                   | 50                                                       | 40                                                          | 20                                                         | *                                                        |
| 44                    | 2                    | 51                   | 15                                                       | 20                                                          | 24                                                         | *                                                        |
| 45                    | 3                    | 13                   | 90                                                       | 22                                                          | 14                                                         | *                                                        |
| 46                    | 3                    | 34                   | 0                                                        | 22                                                          | 16                                                         | *                                                        |
| 47                    | 3                    | 56                   | 2979                                                     | 26                                                          | 1448                                                       | 15                                                       |
| 48                    | 4                    | 17                   | 2959                                                     | 6                                                           | 1448                                                       | 12                                                       |
| 49                    | 4                    | 38                   | 2923                                                     | 20                                                          | 1440                                                       | 12                                                       |
| 50                    | 5                    | 0                    | 3880                                                     | 2                                                           | 1440                                                       | 11                                                       |
| 51                    | 5                    | 21                   | 3019                                                     | *                                                           | *                                                          | 11                                                       |
| 52                    | 5                    | 43                   | 2994                                                     | 16                                                          | 1440                                                       | 14                                                       |
| 53                    | 6                    | 4                    | 2994                                                     | 16                                                          | 1426                                                       | 11                                                       |
| 54                    | 6                    | 26                   | 2974                                                     | 20                                                          | 1446                                                       | 12                                                       |
| 55                    | 6                    | 47                   | 3125                                                     | 24                                                          | 1522                                                       | 12                                                       |
| 56                    | 7                    | 9                    | 3030                                                     | 14                                                          | 1448                                                       | 14                                                       |
| 57                    | 7                    | 30                   | 2993                                                     | 40                                                          | 1446                                                       | 15                                                       |
| 58                    | 7                    | 51                   | 2999                                                     | 36                                                          | 1442                                                       | 17                                                       |
| 59                    | 8                    | 12                   | 2354                                                     | 24                                                          | 1464                                                       | 14                                                       |
| 60                    | 8                    | 33                   | 3050                                                     | 28                                                          | 1460                                                       | 12                                                       |
| 61                    | 8                    | 54                   | 3131                                                     | 40                                                          | 1464                                                       | 12                                                       |
| 62                    | *                    | *                    | 3060                                                     | 26                                                          | 1454                                                       | 14                                                       |
| 63                    | 9                    | 34                   | 3045                                                     | 40                                                          | 1463                                                       | 14                                                       |
| 64                    | 9                    | 54                   | 3030                                                     | 34                                                          | 1454                                                       | 15                                                       |
| 65                    | 10                   | 13                   | *                                                        | *                                                           | *                                                          | 15                                                       |
| 66                    | 10                   | 40                   | 3045                                                     | 26                                                          | 1446                                                       | 14                                                       |
| 67                    | 11                   | 1                    | 2994                                                     | 40                                                          | 1464                                                       | 16                                                       |
| 68                    | 11                   | 22                   | 3045                                                     | 34                                                          | 1463                                                       | 15                                                       |
| 69                    | 11                   | 43                   | 3063                                                     | 6                                                           | 1444                                                       | 12                                                       |
| 70                    | 12                   | 4                    | 2433                                                     | 32                                                          | 1444                                                       | 18                                                       |
| 71                    | 12                   | 26                   | 2994                                                     | 30                                                          | 1454                                                       | 17                                                       |
| 72                    | 12                   | 47                   | 3030                                                     | 32                                                          | 1442                                                       | 15                                                       |
| 73                    | 13                   | 8                    | 3040                                                     | 40                                                          | 1446                                                       | 15                                                       |
| 74                    | 13                   | 29                   | 2803                                                     | 24                                                          | 1444                                                       | 17                                                       |
| 75                    | 13                   | 50                   | 2857                                                     | 32                                                          | 1464                                                       | 17                                                       |
| 76                    | 14                   | 11                   | 2959                                                     | 14                                                          | 1446                                                       | 14                                                       |
| 77                    | 14                   | 33                   | 3050                                                     | 22                                                          | 1460                                                       | 13                                                       |
| 78                    | 14                   | 54                   | 3070                                                     | 20                                                          | 1446                                                       | 13                                                       |
| 79                    | *                    | 12                   | 2994                                                     | 26                                                          | 1442                                                       | 13                                                       |
| 80                    | 15                   | 36                   | 3019                                                     | 36                                                          | 1448                                                       | 13                                                       |
| 81                    | 15                   | 57                   | 2965                                                     | 20                                                          | 1444                                                       | 18                                                       |
| 82                    | *                    | *                    | 3045                                                     | 308                                                         | 1456                                                       | 15                                                       |
| 83                    | 16                   | 39                   | 3004                                                     | 1499                                                        | 1444                                                       | 11                                                       |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 84                    | 17                   | 0                    | 3009                                                     | 1513                                                        | 1464                                                       | 12                                                       |
| 85                    | 17                   | 22                   | 2984                                                     | 1493                                                        | 1448                                                       | 13                                                       |
| 86                    | 17                   | 43                   | 3055                                                     | 54                                                          | 1442                                                       | 13                                                       |
| 87                    | 18                   | 4                    | 2999                                                     | 1509                                                        | 83                                                         | 14                                                       |
| 88                    | 18                   | 25                   | 3003                                                     | 1503                                                        | 1464                                                       | 13                                                       |
| 89                    | 18                   | 46                   | 3041                                                     | 1503                                                        | 1460                                                       | 13                                                       |
| 90                    | 19                   | 7                    | 2984                                                     | 1501                                                        | 1468                                                       | 12                                                       |
| 91                    | 19                   | 28                   | 3070                                                     | 1507                                                        | 1468                                                       | 15                                                       |
| 92                    | 19                   | 49                   | 2999                                                     | 1507                                                        | 1466                                                       | 19                                                       |
| 93                    | 20                   | 11                   | 3010                                                     | 1511                                                        | 1466                                                       | 20                                                       |
| 94                    | 20                   | 32                   | 3039                                                     | 1513                                                        | 1460                                                       | 15                                                       |
| 95                    | 20                   | 53                   | 2979                                                     | 1499                                                        | 1410                                                       | 6                                                        |
| 96                    | 21                   | 14                   | 3060                                                     | 1521                                                        | 1460                                                       | 10                                                       |
| 97                    | 21                   | 34                   | 3050                                                     | 1507                                                        | 1460                                                       | *                                                        |
| 98                    | 21                   | 55                   | 2984                                                     | 1507                                                        | 1456                                                       | 13                                                       |
| 100                   | 22                   | 37                   | 3055                                                     | 1533                                                        | 1464                                                       | 13                                                       |
| 101                   | 22                   | 58                   | 3035                                                     | 1511                                                        | 1458                                                       | 14                                                       |
| 102                   | 23                   | 19                   | 3035                                                     | 1517                                                        | 1432                                                       | 6                                                        |
| 103                   | 23                   | 40                   | 3070                                                     | 1513                                                        | 1464                                                       | 13                                                       |
| 104                   | 24                   | 1                    | 3050                                                     | 1511                                                        | 1464                                                       | 14                                                       |
| 105                   | 24                   | 22                   | 2954                                                     | 1499                                                        | 1458                                                       | 14                                                       |
| 106                   | 24                   | 43                   | 3030                                                     | 1499                                                        | 1452                                                       | 14                                                       |
| 107                   | 25                   | 4                    | 3035                                                     | 1517                                                        | 1458                                                       | 14                                                       |
| 108                   | 25                   | 25                   | 3040                                                     | 1517                                                        | 1450                                                       | 14                                                       |
| 109                   | 25                   | 46                   | 3070                                                     | 1513                                                        | 1458                                                       | 13                                                       |
| 110                   | 26                   | 7                    | 2989                                                     | 1495                                                        | 1458                                                       | 15                                                       |
| 111                   | 26                   | 28                   | 3024                                                     | 1517                                                        | 1460                                                       | 13                                                       |
| 112                   | 26                   | 49                   | 3035                                                     | 1501                                                        | 1468                                                       | *                                                        |
| 113                   | 27                   | 10                   | 3019                                                     | 1511                                                        | 1458                                                       | 15                                                       |
| 114                   | 27                   | 31                   | 3035                                                     | 1499                                                        | 1460                                                       | 17                                                       |
| 115                   | 27                   | 52                   | *                                                        | *                                                           | 1466                                                       | 15                                                       |
| 116                   | 28                   | 13                   | 3030                                                     | 1501                                                        | 1446                                                       | 15                                                       |
| 117                   | 28                   | 35                   | 2984                                                     | 1509                                                        | 1452                                                       | 12                                                       |
| 118                   | 28                   | 56                   | 3035                                                     | 1509                                                        | 1448                                                       | 12                                                       |
| 119                   | 29                   | 17                   | 2984                                                     | 1495                                                        | 1448                                                       | 12                                                       |
| 120                   | 29                   | 38                   | 3009                                                     | 1495                                                        | 1461                                                       | 11                                                       |
| 121                   | 29                   | 59                   | 2984                                                     | 1501                                                        | 1452                                                       | 9                                                        |
| 122                   | 30                   | 20                   | 3030                                                     | 1511                                                        | 1464                                                       | 11                                                       |
| 123                   | 30                   | 41                   | 2974                                                     | 1513                                                        | 1446                                                       | 11                                                       |
| 124                   | 31                   | 2                    | 3030                                                     | 1497                                                        | 1448                                                       | 13                                                       |
| 125                   | 31                   | 24                   | 3035                                                     | 1495                                                        | 1450                                                       | 12                                                       |
| 126                   | 31                   | 45                   | 2994                                                     | 1515                                                        | 1460                                                       | 13                                                       |
| 127                   | 32                   | 6                    | 2974                                                     | 1493                                                        | 1452                                                       | 11                                                       |
| 128                   | 32                   | 27                   | 2984                                                     | 1501                                                        | 1448                                                       | 13                                                       |
| 129                   | 32                   | 49                   | 2994                                                     | 1493                                                        | 1456                                                       | 9                                                        |
| 130                   | 33                   | 9                    | 3030                                                     | 1499                                                        | 1456                                                       | 10                                                       |
| 131                   | 33                   | 31                   | 3030                                                     | 1505                                                        | 1460                                                       | 12                                                       |
| 132                   | 33                   | 52                   | 2979                                                     | 1483                                                        | 1443                                                       | 12                                                       |
| 133                   | 34                   | 13                   | 2959                                                     | 1493                                                        | 1444                                                       | 12                                                       |
| 134                   | 34                   | 34                   | 2999                                                     | 1489                                                        | 1450                                                       | 10                                                       |



| -81<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAS.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 135                   | 34                   | 55                   | 2999                                                     | 1481                                                        | 1446                                                       | 13                                                       |
| 136                   | 35                   | 16                   | 2969                                                     | 1485                                                        | 1448                                                       | 12                                                       |
| 137                   | 35                   | 37                   | 3030                                                     | 1497                                                        | 1432                                                       | 10                                                       |
| 138                   | 35                   | 59                   | *                                                        | *                                                           | *                                                          | 9                                                        |
| 139                   | 36                   | 20                   | 3040                                                     | 1487                                                        | 1450                                                       | 12                                                       |
| 140                   | 36                   | 41                   | 2989                                                     | 1481                                                        | 1446                                                       | 12                                                       |
| 141                   | 37                   | 2                    | 2964                                                     | 1477                                                        | 1446                                                       | 9                                                        |
| 142                   | 37                   | 23                   | 2989                                                     | 1491                                                        | 1460                                                       | 12                                                       |
| 143                   | 37                   | 44                   | 3024                                                     | 1479                                                        | 1430                                                       | 9                                                        |
| 144                   | 38                   | 6                    | 2994                                                     | 1493                                                        | 1442                                                       | 8                                                        |
| 145                   | 38                   | 27                   | 2934                                                     | 1497                                                        | 1448                                                       | 9                                                        |
| 146                   | 38                   | 48                   | 2964                                                     | 1479                                                        | 1440                                                       | 10                                                       |
| 147                   | 39                   | 9                    | 2974                                                     | 1491                                                        | 1442                                                       | 10                                                       |
| 148                   | 39                   | *                    | 2979                                                     | 1481                                                        | 1442                                                       | 9                                                        |
| 149                   | 39                   | 51                   | 2959                                                     | 1473                                                        | 1456                                                       | 4                                                        |
| 150                   | 40                   | 12                   | 2944                                                     | 1495                                                        | 1440                                                       | 9                                                        |
| 151                   | 40                   | 33                   | 2984                                                     | 1493                                                        | 1440                                                       | 6                                                        |
| 152                   | 40                   | 54                   | 2959                                                     | 1481                                                        | 1456                                                       | 5                                                        |
| 153                   | 41                   | 16                   | 2944                                                     | 1495                                                        | 1456                                                       | 6                                                        |
| 154                   | 41                   | 37                   | 2979                                                     | 1509                                                        | 1448                                                       | 11                                                       |
| 155                   | 41                   | *                    | 3019                                                     | 1513                                                        | 1450                                                       | 6                                                        |
| 156                   | 42                   | 19                   | 2964                                                     | 1493                                                        | 1442                                                       | 6                                                        |
| 157                   | 42                   | 40                   | 2954                                                     | 1481                                                        | 1440                                                       | 8                                                        |
| 158                   | 43                   | 1                    | 2994                                                     | 1487                                                        | 1446                                                       | 12                                                       |
| 159                   | 43                   | 22                   | 2999                                                     | 1501                                                        | 1446                                                       | 9                                                        |
| 160                   | 43                   | 43                   | 2989                                                     | 1438                                                        | 1424                                                       | 9                                                        |
| 161                   | 44                   | 4                    | 2974                                                     | 1493                                                        | 1446                                                       | 12                                                       |
| 162                   | 44                   | 25                   | 2954                                                     | 1501                                                        | 1450                                                       | 9                                                        |
| 163                   | 44                   | 47                   | 2989                                                     | 1497                                                        | 1430                                                       | 9                                                        |
| 164                   | 45                   | 8                    | 3014                                                     | 1509                                                        | 1430                                                       | 9                                                        |
| 165                   | 45                   | 29                   | 2989                                                     | 1493                                                        | 1446                                                       | 10                                                       |
| 166                   | 45                   | 50                   | 3004                                                     | 1497                                                        | 1444                                                       | 12                                                       |
| 167                   | 46                   | 11                   | 3004                                                     | 1493                                                        | 1460                                                       | 12                                                       |
| 168                   | 46                   | 32                   | 2984                                                     | 1493                                                        | 1446                                                       | 9                                                        |
| 169                   | 46                   | 53                   | 2944                                                     | 1473                                                        | 1446                                                       | 5                                                        |
| 170                   | 47                   | 14                   | 2974                                                     | 1490                                                        | 1444                                                       | 5                                                        |
| 171                   | 47                   | 35                   | 2979                                                     | 1473                                                        | 1430                                                       | 9                                                        |
| 172                   | 47                   | 57                   | 2989                                                     | 1501                                                        | 1442                                                       | 7                                                        |
| 173                   | 48                   | 18                   | 2979                                                     | 1493                                                        | 1456                                                       | 5                                                        |
| 174                   | 48                   | 39                   | 3030                                                     | 1501                                                        | 1449                                                       | 6                                                        |
| 175                   | 49                   | 0                    | 2984                                                     | 1501                                                        | 1446                                                       | 12                                                       |
| 176                   | 49                   | 21                   | 2929                                                     | 1475                                                        | 1444                                                       | 6                                                        |
| 177                   | 49                   | 42                   | 2979                                                     | 1485                                                        | 1434                                                       | 6                                                        |
| 178                   | 50                   | 3                    | 2944                                                     | 1467                                                        | 1448                                                       | 6                                                        |
| 179                   | 50                   | 24                   | 2969                                                     | 1477                                                        | 1422                                                       | 6                                                        |
| 180                   | 50                   | 46                   | 2979                                                     | 1501                                                        | 1440                                                       | 9                                                        |
| 181                   | *                    | *                    | 2904                                                     | 1475                                                        | 1460                                                       | 7                                                        |
| 182                   | 51                   | 28                   | 2934                                                     | 1493                                                        | 1443                                                       | 4                                                        |
| 183                   | 51                   | 49                   | 2979                                                     | 1501                                                        | 1448                                                       | 9                                                        |
| 184                   | 52                   | 10                   | 2979                                                     | 1473                                                        | 1446                                                       | 6                                                        |

| -01<br>SWEET<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 105                   | 52                   | 31                   | 2944                                                     | 1432                                                        | 1440                                                       | 6                                                        |
| 106                   | 52                   | 52                   | 2838                                                     | 1405                                                        | 1480                                                       | 21                                                       |
| 107                   | 53                   | 13                   | 2817                                                     | 1493                                                        | 1478                                                       | 24                                                       |
| 108                   | 53                   | 34                   | 2797                                                     | 1493                                                        | 1456                                                       | 22                                                       |
| 109                   | 53                   | 55                   | 2888                                                     | 1493                                                        | 1464                                                       | 20                                                       |
| 190                   | 54                   | 9                    | 3004                                                     | 1501                                                        | 1492                                                       | 12                                                       |
| 191                   | 54                   | 36                   | 2913                                                     | 1493                                                        | 1466                                                       | 24                                                       |
| 192                   | 54                   | 59                   | 2812                                                     | 1493                                                        | 1480                                                       | 21                                                       |
| 193                   | 55                   | 20                   | 2797                                                     | 1489                                                        | 1454                                                       | 21                                                       |
| 194                   | 55                   | 41                   | 2876                                                     | 1505                                                        | 1464                                                       | 25                                                       |
| 195                   | 56                   | 2                    | 3070                                                     | 1497                                                        | 1448                                                       | 10                                                       |
| 196                   | 56                   | 23                   | 2874                                                     | 1505                                                        | 1462                                                       | 11                                                       |
| 197                   | 56                   | 44                   | 2979                                                     | 1497                                                        | 1460                                                       | 6                                                        |
| 198                   | 57                   | 5                    | 2964                                                     | 1493                                                        | 1462                                                       | 10                                                       |
| 199                   | 57                   | 26                   | 3030                                                     | 1493                                                        | 1462                                                       | 7                                                        |
| 200                   | 57                   | 47                   | 2989                                                     | 1481                                                        | 1426                                                       | 2                                                        |
| 201                   | 58                   | 8                    | 3030                                                     | 1491                                                        | 1444                                                       | 12                                                       |
| 202                   | 58                   | 29                   | 2964                                                     | 1493                                                        | 1454                                                       | 12                                                       |
| 203                   | 58                   | 50                   | 3030                                                     | 1493                                                        | 1448                                                       | 14                                                       |
| 204                   | 59                   | 11                   | 2923                                                     | 1479                                                        | 1458                                                       | 10                                                       |
| 205                   | 59                   | 32                   | 2999                                                     | 1485                                                        | 1436                                                       | 15                                                       |
| 206                   | 59                   | 53                   | 2999                                                     | 1487                                                        | 1450                                                       | 12                                                       |
| 207                   | 60                   | 15                   | 2941                                                     | 1501                                                        | 1442                                                       | 9                                                        |
| 208                   | 60                   | 36                   | 2933                                                     | 1493                                                        | 1442                                                       | 8                                                        |
| 209                   | 60                   | 57                   | 2964                                                     | 1475                                                        | 1444                                                       | 6                                                        |
| 210                   | 61                   | 16                   | 2959                                                     | 1469                                                        | 1460                                                       | 4                                                        |
| 211                   | 61                   | 39                   | 2965                                                     | 1485                                                        | 1444                                                       | 9                                                        |
| 212                   | 62                   | 0                    | 2974                                                     | 1493                                                        | 1440                                                       | 6                                                        |
| 213                   | 62                   | 21                   | 2934                                                     | 1493                                                        | 1450                                                       | 2                                                        |
| 214                   | 62                   | 42                   | 2979                                                     | 1465                                                        | 1434                                                       | 4                                                        |
| 215                   | 63                   | 3                    | 2923                                                     | 1481                                                        | 1440                                                       | 2                                                        |
| 216                   | 63                   | 24                   | 3040                                                     | 1499                                                        | 1456                                                       | 7                                                        |
| 217                   | 63                   | 46                   | 2802                                                     | 1479                                                        | 1446                                                       | 22                                                       |
| 218                   | 64                   | 7                    | 2950                                                     | 1513                                                        | 1468                                                       | 21                                                       |
| 219                   | 64                   | 28                   | 2802                                                     | 1493                                                        | 1450                                                       | 21                                                       |
| 220                   | 64                   | 49                   | 2808                                                     | 1463                                                        | 1433                                                       | 22                                                       |
| 221                   | 65                   | 11                   | 2939                                                     | 1493                                                        | 1436                                                       | 6                                                        |
| 222                   | 65                   | 31                   | 2854                                                     | 1463                                                        | 1428                                                       | 4                                                        |
| 223                   | 65                   | 52                   | 3030                                                     | 1475                                                        | 1436                                                       | 9                                                        |
| 224                   | 66                   | 13                   | 2802                                                     | 1489                                                        | 1462                                                       | 23                                                       |
| 225                   | 66                   | 34                   | 2838                                                     | 1463                                                        | 1456                                                       | 21                                                       |
| 226                   | 66                   | 56                   | 2838                                                     | 1497                                                        | 1454                                                       | 19                                                       |
| 227                   | 67                   | 17                   | 2929                                                     | 1491                                                        | 1456                                                       | 7                                                        |
| 228                   | 67                   | 38                   | 2893                                                     | 1493                                                        | 1441                                                       | 3                                                        |
| 229                   | 67                   | 59                   | 3019                                                     | 1493                                                        | 1452                                                       | 6                                                        |
| 230                   | 68                   | 20                   | 3024                                                     | 1499                                                        | 1460                                                       | 8                                                        |
| 231                   | 68                   | 41                   | 2954                                                     | 1493                                                        | 1444                                                       | 6                                                        |
| 232                   | 68                   | 2                    | 2980                                                     | 1489                                                        | 1442                                                       | 6                                                        |
| 233                   | 69                   | 27                   | 2909                                                     | 1501                                                        | 1456                                                       | 5                                                        |
| 234                   | 69                   | 48                   | 3070                                                     | 1501                                                        | 1446                                                       | 6                                                        |

| -01<br>SWEET<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 235                   | 70                   | 5                    | 2974                                                     | 1481                                                        | 1444                                                       | 5                                                        |
| 236                   | 70                   | 26                   | 2944                                                     | 1475                                                        | 1444                                                       | 3                                                        |
| 237                   | 70                   | 47                   | 2939                                                     | 1493                                                        | 1426                                                       | 0                                                        |
| 238                   | 71                   | 8                    | 2979                                                     | 1477                                                        | 1434                                                       | 3                                                        |
| 239                   | 71                   | 29                   | 2934                                                     | 1461                                                        | 1414                                                       | 3                                                        |
| 240                   | 71                   | 50                   | 2934                                                     | 1475                                                        | 1440                                                       | 0                                                        |
| 241                   | 71                   | 11                   | 2984                                                     | 1489                                                        | 1448                                                       | 0                                                        |
| 242                   | 72                   | 11                   | 2979                                                     | 1467                                                        | 1434                                                       | 0                                                        |
| 243                   | 72                   | 53                   | 2945                                                     | 1454                                                        | 1416                                                       | 0                                                        |
| 244                   | 73                   | 14                   | 2873                                                     | 1459                                                        | 1422                                                       | 4                                                        |
| 245                   | 73                   | 35                   | 3030                                                     | 1485                                                        | 1444                                                       | 6                                                        |
| 246                   | 73                   | 56                   | 2976                                                     | 1493                                                        | 1442                                                       | 3                                                        |
| 247                   | 74                   | 17                   | 2984                                                     | 1493                                                        | 1446                                                       | 7                                                        |
| 248                   | 74                   | 39                   | 2964                                                     | 1497                                                        | 1450                                                       | 9                                                        |
| 249                   | 75                   | 0                    | 2934                                                     | 1487                                                        | 1456                                                       | 9                                                        |
| 250                   | 75                   | 21                   | 3040                                                     | 1505                                                        | 1468                                                       | 5                                                        |
| 251                   | 75                   | 42                   | 2979                                                     | 1499                                                        | 1460                                                       | 9                                                        |
| 252                   | 76                   | 3                    | 2843                                                     | 1493                                                        | 1454                                                       | 21                                                       |
| 253                   | 76                   | 24                   | 2843                                                     | 1489                                                        | 1478                                                       | 26                                                       |
| 254                   | 76                   | 45                   | 2878                                                     | 1495                                                        | 1478                                                       | 24                                                       |
| 255                   | 77                   | 6                    | 2833                                                     | 1493                                                        | 1466                                                       | 24                                                       |
| 256                   | 77                   | 27                   | 2994                                                     | 1499                                                        | 1446                                                       | 6                                                        |
| 257                   | 77                   | 48                   | 2994                                                     | 1505                                                        | 1448                                                       | 10                                                       |
| 258                   | 78                   | 10                   | 2878                                                     | 1479                                                        | 1464                                                       | 19                                                       |
| 259                   | 78                   | 31                   | 2843                                                     | 1479                                                        | 1466                                                       | 23                                                       |
| 260                   | 78                   | 52                   | 2812                                                     | 1503                                                        | 1466                                                       | 25                                                       |
| 261                   | 79                   | 13                   | 2949                                                     | 1499                                                        | 1446                                                       | 5                                                        |
| 262                   | 79                   | 34                   | 3030                                                     | 1479                                                        | 1428                                                       | 5                                                        |
| 263                   | 79                   | 55                   | 2933                                                     | 1491                                                        | 1468                                                       | 24                                                       |
| 264                   | 80                   | 15                   | 2993                                                     | 1531                                                        | 1451                                                       | 13                                                       |
| 265                   | 80                   | 36                   | 3014                                                     | 1493                                                        | 1467                                                       | 5                                                        |
| 266                   | 80                   | 59                   | 2944                                                     | 1501                                                        | 1446                                                       | 9                                                        |
| 267                   | 81                   | 20                   | 3030                                                     | 1493                                                        | 1464                                                       | 7                                                        |
| 268                   | 81                   | 41                   | 2974                                                     | 1475                                                        | 1460                                                       | 6                                                        |
| 269                   | 82                   | 2                    | 2974                                                     | 1493                                                        | 1457                                                       | 15                                                       |
| 270                   | 82                   | 23                   | 2944                                                     | 1497                                                        | 1444                                                       | 9                                                        |
| 271                   | 82                   | 44                   | 2854                                                     | 1485                                                        | 1440                                                       | 4                                                        |
| 272                   | 83                   | 5                    | 2954                                                     | 1471                                                        | 1444                                                       | 7                                                        |
| 273                   | 83                   | 26                   | 2934                                                     | 1459                                                        | 1436                                                       | 6                                                        |
| 274                   | 83                   | 47                   | 2929                                                     | 1473                                                        | 1430                                                       | 6                                                        |
| 275                   | 84                   | 4                    | 2954                                                     | 1493                                                        | 1428                                                       | 6                                                        |
| 276                   | 84                   | 29                   | 2893                                                     | 1477                                                        | 1436                                                       | 8                                                        |
| 277                   | 84                   | 53                   | 2893                                                     | 1473                                                        | 1426                                                       | 6                                                        |
| 278                   | 85                   | 11                   | 2838                                                     | 1467                                                        | 1422                                                       | 6                                                        |
| 279                   | 85                   | 32                   | 2949                                                     | 1469                                                        | 1436                                                       | 10                                                       |
| 280                   | 85                   | 53                   | 2945                                                     | 1501                                                        | 1442                                                       | 6                                                        |
| 281                   | 86                   | 14                   | 2974                                                     | 1509                                                        | 1444                                                       | 11                                                       |
| 282                   | 86                   | 35                   | 3030                                                     | 1497                                                        | 1448                                                       | 9                                                        |
| 283                   | 86                   | 57                   | 2949                                                     | 1501                                                        | 1438                                                       | 7                                                        |
| 284                   | 87                   | 18                   | 2974                                                     | 1483                                                        | 1446                                                       | 4                                                        |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 285                   | 67                   | 39                   | 2906                                                     | 1489                                                        | 1434                                                       | 10                                                       |
| 286                   | 68                   | 0                    | 3030                                                     | 1483                                                        | 1456                                                       | 8                                                        |
| 287                   | 68                   | 21                   | 2989                                                     | 1497                                                        | 1434                                                       | 5                                                        |
| 288                   | 68                   | 43                   | 2829                                                     | 1459                                                        | 1432                                                       | 6                                                        |
| 289                   | 69                   | 4                    | 2878                                                     | 1483                                                        | 1448                                                       | 21                                                       |
| 290                   | 69                   | 25                   | 2826                                                     | 1483                                                        | 1446                                                       | 20                                                       |
| 291                   | 69                   | 46                   | 2817                                                     | 1483                                                        | 1446                                                       | 21                                                       |
| 292                   | 90                   | 7                    | 2939                                                     | 1483                                                        | 1442                                                       | 12                                                       |
| 293                   | 90                   | 28                   | 2965                                                     | 1477                                                        | 1452                                                       | 6                                                        |
| 294                   | 90                   | 49                   | 2907                                                     | 1501                                                        | 1448                                                       | 5                                                        |
| 295                   | 91                   | 10                   | 2934                                                     | 1581                                                        | 1420                                                       | 4                                                        |
| 296                   | 91                   | 32                   | 2944                                                     | 1495                                                        | 1444                                                       | 6                                                        |
| 297                   | 91                   | 53                   | 2969                                                     | 1481                                                        | 1438                                                       | 4                                                        |
| 298                   | 92                   | 14                   | 2913                                                     | 1481                                                        | 1434                                                       | 3                                                        |
| 299                   | 92                   | 38                   | 2959                                                     | 1501                                                        | 1444                                                       | 6                                                        |
| 300                   | 92                   | 56                   | 3004                                                     | 1483                                                        | 1456                                                       | 3                                                        |
| 301                   | 93                   | 17                   | 2969                                                     | 1489                                                        | 1436                                                       | 5                                                        |
| 302                   | 93                   | 39                   | 2979                                                     | 1475                                                        | 1456                                                       | 6                                                        |
| 303                   | 94                   | 0                    | 2949                                                     | 1433                                                        | 1433                                                       | 3                                                        |
| 304                   | 94                   | 21                   | 2949                                                     | 1493                                                        | 1426                                                       | 3                                                        |
| 305                   | 94                   | 42                   | 2943                                                     | 1481                                                        | 1442                                                       | 9                                                        |
| 306                   | 95                   | 3                    | 2838                                                     | 1489                                                        | 1464                                                       | 22                                                       |
| 307                   | 95                   | 24                   | 2824                                                     | 1473                                                        | 1446                                                       | 24                                                       |
| 308                   | 95                   | 45                   | 2863                                                     | 1509                                                        | 1456                                                       | 21                                                       |
| 309                   | 96                   | 7                    | 2917                                                     | 1481                                                        | 1462                                                       | 20                                                       |
| 310                   | 96                   | 28                   | 2934                                                     | 1497                                                        | 1456                                                       | 9                                                        |
| 311                   | 96                   | 49                   | 2869                                                     | 1483                                                        | 1426                                                       | 6                                                        |
| 312                   | 97                   | 10                   | 2989                                                     | 1497                                                        | 1456                                                       | 4                                                        |
| 313                   | 97                   | 31                   | 2999                                                     | 1483                                                        | 1444                                                       | 4                                                        |
| 314                   | 97                   | 52                   | 2949                                                     | 1485                                                        | 1426                                                       | 7                                                        |
| 315                   | 98                   | 12                   | 2929                                                     | 1467                                                        | 1420                                                       | 6                                                        |
| 316                   | 98                   | 34                   | 2979                                                     | 1493                                                        | 1414                                                       | 8                                                        |
| 317                   | 98                   | 55                   | 2839                                                     | 1461                                                        | 1440                                                       | 8                                                        |
| 318                   | 99                   | 16                   | 2979                                                     | 1473                                                        | 1442                                                       | 6                                                        |
| 319                   | 99                   | 37                   | 2841                                                     | 1473                                                        | 1449                                                       | 12                                                       |
| 320                   | 99                   | 58                   | 2979                                                     | 1471                                                        | 1428                                                       | 10                                                       |
| 321                   | 100                  | 19                   | 2934                                                     | 1477                                                        | 1420                                                       | 8                                                        |
| 322                   | 100                  | 40                   | 2904                                                     | 1461                                                        | 1420                                                       | 6                                                        |
| 323                   | 101                  | 1                    | 2939                                                     | 1465                                                        | 1422                                                       | 9                                                        |
| 324                   | 101                  | 22                   | 2913                                                     | 1459                                                        | 1424                                                       | 15                                                       |
| 325                   | 101                  | 43                   | 2913                                                     | 1461                                                        | 1432                                                       | 8                                                        |
| 326                   | 102                  | 4                    | 2969                                                     | 1481                                                        | 1444                                                       | 6                                                        |
| 327                   | 102                  | 25                   | 2939                                                     | 1485                                                        | 1456                                                       | 6                                                        |
| 328                   | 102                  | 47                   | 2949                                                     | 1475                                                        | 1428                                                       | 3                                                        |
| 329                   | 103                  | 8                    | 3031                                                     | 1491                                                        | 1444                                                       | 12                                                       |
| 330                   | 103                  | 29                   | 2812                                                     | 1479                                                        | 1456                                                       | 21                                                       |
| 331                   | 103                  | 50                   | 2949                                                     | 1475                                                        | 1450                                                       | 6                                                        |
| 332                   | 103                  | 11                   | 2917                                                     | 1483                                                        | 1460                                                       | 11                                                       |
| 333                   | 104                  | 33                   | 2903                                                     | 1459                                                        | 1424                                                       | 9                                                        |
| 334                   | 104                  | 54                   | 2959                                                     | 1474                                                        | 1426                                                       | 1.                                                       |

| -01<br>SWEDEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|------------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 335                    | 105                  | 15                   | 3030                                                     | 1461                                                        | 1424                                                       | 0                                                        |
| 336                    | 105                  | 36                   | 2934                                                     | 1465                                                        | 1418                                                       | 2                                                        |
| 337                    | 105                  | 57                   | 2829                                                     | 1473                                                        | 1440                                                       | 0                                                        |
| 338                    | 106                  | 16                   | 2903                                                     | 1452                                                        | 1424                                                       | 1                                                        |
| 339                    | 106                  | 40                   | 2869                                                     | 1493                                                        | 1428                                                       | 4                                                        |
| 340                    | 107                  | 1                    | 2869                                                     | 1477                                                        | 1440                                                       | 4                                                        |
| 341                    | *                    | *                    | 2893                                                     | 1440                                                        | 1408                                                       | *                                                        |
| 342                    | 107                  | 43                   | 2903                                                     | 1450                                                        | 1424                                                       | 0                                                        |
| 343                    | 108                  | 4                    | 2939                                                     | 1473                                                        | 1432                                                       | 0                                                        |
| 344                    | 108                  | 25                   | 2949                                                     | 1473                                                        | 1430                                                       | 4                                                        |
| 345                    | 108                  | 47                   | 2844                                                     | 1463                                                        | 1430                                                       | 3                                                        |
| 346                    | 109                  | 6                    | 2834                                                     | 1454                                                        | 1410                                                       | 3                                                        |
| 347                    | 109                  | 29                   | 2823                                                     | 1469                                                        | 1440                                                       | 0                                                        |
| 348                    | 109                  | 50                   | 2949                                                     | 1446                                                        | 1444                                                       | 3                                                        |
| 349                    | 110                  | 11                   | 2944                                                     | 1450                                                        | 1422                                                       | 4                                                        |
| 350                    | 110                  | 32                   | 2889                                                     | 1497                                                        | 1442                                                       | 3                                                        |
| 351                    | 110                  | 54                   | 2999                                                     | 1459                                                        | 1426                                                       | 0                                                        |
| 352                    | 111                  | 15                   | 2869                                                     | 1442                                                        | 1438                                                       | 0                                                        |
| 353                    | 111                  | 36                   | 3030                                                     | 1465                                                        | 1418                                                       | 7                                                        |
| 354                    | 111                  | 57                   | 2834                                                     | 1465                                                        | 1438                                                       | 9                                                        |
| 355                    | 112                  | 16                   | 2954                                                     | 1477                                                        | 1424                                                       | 12                                                       |
| 356                    | 112                  | 39                   | 2949                                                     | 1444                                                        | 1420                                                       | 6                                                        |
| 357                    | 113                  | 0                    | 2959                                                     | 1459                                                        | 1436                                                       | 9                                                        |
| 358                    | 113                  | 21                   | 2900                                                     | 1473                                                        | 1442                                                       | 9                                                        |
| 359                    | 113                  | 42                   | 2806                                                     | 1467                                                        | 1422                                                       | 5                                                        |
| 360                    | 114                  | 7                    | 2934                                                     | 1469                                                        | 1416                                                       | 3                                                        |
| 361                    | 114                  | 24                   | 2879                                                     | 1475                                                        | 1448                                                       | 4                                                        |
| 362                    | 114                  | 45                   | 2828                                                     | 1475                                                        | 1420                                                       | 4                                                        |
| 363                    | 115                  | 6                    | 2909                                                     | 1499                                                        | 1430                                                       | 5                                                        |
| 364                    | 115                  | 28                   | 2979                                                     | 1493                                                        | 1444                                                       | 9                                                        |
| 365                    | 115                  | 49                   | 2849                                                     | 1475                                                        | 1434                                                       | 11                                                       |
| 366                    | 116                  | 10                   | 2929                                                     | 12                                                          | 1432                                                       | 11                                                       |
| 367                    | 116                  | 31                   | 3040                                                     | 16                                                          | 1443                                                       | 12                                                       |
| 368                    | 119                  | 7                    | 2845                                                     | 14                                                          | 1448                                                       | 12                                                       |
| 369                    | 119                  | 41                   | 2889                                                     | 24                                                          | 1444                                                       | 12                                                       |
| 370                    | 120                  | 2                    | 3006                                                     | 24                                                          | 1448                                                       | 11                                                       |
| 371                    | 120                  | 24                   | 2984                                                     | 14                                                          | 1444                                                       | 13                                                       |
| 372                    | 120                  | 45                   | 2984                                                     | 1A                                                          | 1443                                                       | 10                                                       |
| 373                    | 121                  | 7                    | 2944                                                     | 36                                                          | 1440                                                       | 10                                                       |
| 374                    | 121                  | 28                   | 3030                                                     | 24                                                          | 1443                                                       | 10                                                       |
| 375                    | 123                  | 16                   | 15                                                       | 30                                                          | 22                                                         | *                                                        |
| 376                    | 123                  | 31                   | 43                                                       | 24                                                          | 24                                                         | *                                                        |
| 377                    | 123                  | 53                   | 15                                                       | 24                                                          | 22                                                         | *                                                        |
| 378                    | 124                  | 15                   | 40                                                       | 26                                                          | 36                                                         | *                                                        |
| 379                    | 124                  | 36                   | 40                                                       | 26                                                          | 36                                                         | *                                                        |
| 380                    | 129                  | 15                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 381                    | 129                  | 39                   | 0                                                        | 10                                                          | 20                                                         | *                                                        |
| 382                    | 130                  | 1                    | 40                                                       | 12                                                          | 14                                                         | *                                                        |
| 383                    | 130                  | 22                   | 15                                                       | 14                                                          | 14                                                         | *                                                        |
| 384                    | 132                  | 44                   | 30                                                       | 20                                                          | 24                                                         | *                                                        |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 385                   | 131                  | 6                    | 60                                                       | 14                                                          | 14                                                         | *                                                        |
| 386                   | 139                  | 46                   | 75                                                       | 30                                                          | 24                                                         | *                                                        |
| 387                   | 140                  | 8                    | 70                                                       | 14                                                          | 12                                                         | *                                                        |
| 388                   | 140                  | 30                   | 15                                                       | 20                                                          | 20                                                         | *                                                        |
| 389                   | 140                  | 51                   | 15                                                       | 20                                                          | 20                                                         | *                                                        |
| 390                   | 141                  | 13                   | 25                                                       | 30                                                          | 16                                                         | *                                                        |
| 391                   | 148                  | 51                   | 40                                                       | 20                                                          | 16                                                         | *                                                        |
| 392                   | 149                  | 12                   | 25                                                       | 10                                                          | 20                                                         | *                                                        |
| 393                   | 149                  | 34                   | 55                                                       | 20                                                          | 30                                                         | *                                                        |
| 394                   | 149                  | 56                   | 40                                                       | 12                                                          | 20                                                         | *                                                        |
| 395                   | 150                  | 17                   | 15                                                       | 20                                                          | 12                                                         | *                                                        |
| 396                   | 150                  | 39                   | 50                                                       | 30                                                          | 22                                                         | *                                                        |

H4-SEC S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 6

| 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-47ORS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-47OLS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 39                   | 1                    | 56                                    | 53                                                         | 51                                                         | 56                                                         | 54                                                          | 55                                                          | 45                                                           | 45                                                           | 61                                                      | 49                                                       |
| 40                   | 1                    | 56                                    | 53                                                         | 51                                                         | 55                                                         | 53                                                          | 55                                                          | 45                                                           | 45                                                           | *                                                       | *                                                        |
| 41                   | 1                    | 55                                    | 52                                                         | 51                                                         | 55                                                         | 53                                                          | 56                                                          | 44                                                           | 42                                                           | 59                                                      | 47                                                       |
| 42                   | 2                    | 55                                    | 53                                                         | 51                                                         | 55                                                         | 52                                                          | 55                                                          | 43                                                           | 42                                                           | 59                                                      | 48                                                       |
| 43                   | 2                    | 55                                    | 52                                                         | 50                                                         | 55                                                         | 51                                                          | 56                                                          | 42                                                           | 40                                                           | 50                                                      | 50                                                       |
| 44                   | 2                    | 56                                    | 52                                                         | 50                                                         | 54                                                         | 51                                                          | 57                                                          | 41                                                           | 42                                                           | 57                                                      | 49                                                       |
| 45                   | 3                    | 55                                    | 52                                                         | 50                                                         | 55                                                         | 50                                                          | 53                                                          | 43                                                           | 43                                                           | 55                                                      | 46                                                       |
| 46                   | 3                    | 55                                    | 52                                                         | 51                                                         | 54                                                         | 51                                                          | 53                                                          | 43                                                           | 43                                                           | 55                                                      | 46                                                       |
| 47                   | 3                    | 55                                    | 52                                                         | 51                                                         | 54                                                         | 51                                                          | 53                                                          | 43                                                           | 44                                                           | 55                                                      | 46                                                       |
| 48                   | 4                    | 55                                    | 52                                                         | 51                                                         | 54                                                         | 50                                                          | 53                                                          | 45                                                           | 45                                                           | 54                                                      | 46                                                       |
| 49                   | 4                    | 55                                    | 52                                                         | 49                                                         | 54                                                         | 50                                                          | 53                                                          | 44                                                           | 44                                                           | 55                                                      | 46                                                       |
| 50                   | 5                    | 55                                    | 51                                                         | 49                                                         | 54                                                         | 50                                                          | 53                                                          | 43                                                           | 44                                                           | 55                                                      | 47                                                       |
| 51                   | 5                    | 56                                    | 51                                                         | 49                                                         | 53                                                         | 49                                                          | 53                                                          | 45                                                           | 46                                                           | 56                                                      | 47                                                       |
| 52                   | 5                    | 55                                    | 52                                                         | 49                                                         | 54                                                         | 51                                                          | 53                                                          | 46                                                           | 46                                                           | 56                                                      | 46                                                       |
| 53                   | 6                    | 55                                    | 52                                                         | 49                                                         | 54                                                         | 49                                                          | 53                                                          | 46                                                           | 46                                                           | 56                                                      | 47                                                       |
| 54                   | 6                    | 56                                    | 52                                                         | 49                                                         | 53                                                         | 48                                                          | 52                                                          | 45                                                           | 46                                                           | 55                                                      | 48                                                       |
| 55                   | 6                    | 58                                    | 52                                                         | 49                                                         | 54                                                         | 48                                                          | 53                                                          | 48                                                           | 48                                                           | 56                                                      | 48                                                       |
| 56                   | 7                    | 58                                    | 53                                                         | 50                                                         | 54                                                         | 49                                                          | 52                                                          | 49                                                           | 48                                                           | 57                                                      | 48                                                       |
| 57                   | 7                    | *                                     | *                                                          | 50                                                         | 54                                                         | 49                                                          | 52                                                          | 49                                                           | 48                                                           | 56                                                      | 46                                                       |
| 58                   | 7                    | 58                                    | 52                                                         | 50                                                         | 54                                                         | 49                                                          | 52                                                          | 48                                                           | 48                                                           | 58                                                      | 46                                                       |
| 59                   | 8                    | 58                                    | 52                                                         | 50                                                         | 54                                                         | 48                                                          | 51                                                          | 48                                                           | 48                                                           | 58                                                      | 46                                                       |
| 60                   | 8                    | 58                                    | 52                                                         | 50                                                         | 54                                                         | 48                                                          | 50                                                          | 48                                                           | 48                                                           | 55                                                      | 46                                                       |
| 61                   | 9                    | 58                                    | 52                                                         | 49                                                         | 54                                                         | 47                                                          | 49                                                          | 48                                                           | 48                                                           | 54                                                      | 46                                                       |
| 62                   | 9                    | 58                                    | 52                                                         | 49                                                         | 54                                                         | 47                                                          | 49                                                          | 48                                                           | 48                                                           | 54                                                      | 46                                                       |
| 63                   | 10                   | 58                                    | 52                                                         | 49                                                         | 54                                                         | 47                                                          | 49                                                          | 48                                                           | 48                                                           | 55                                                      | 48                                                       |
| 64                   | 10                   | 58                                    | 52                                                         | 49                                                         | 54                                                         | 46                                                          | 49                                                          | 48                                                           | 48                                                           | 55                                                      | 48                                                       |
| 65                   | 10                   | 58                                    | 52                                                         | 49                                                         | 54                                                         | 46                                                          | 49                                                          | 46                                                           | 48                                                           | 55                                                      | 48                                                       |
| 66                   | 10                   | 58                                    | 52                                                         | 49                                                         | 54                                                         | 46                                                          | 49                                                          | 46                                                           | 48                                                           | 55                                                      | 48                                                       |
| 67                   | 11                   | 58                                    | 52                                                         | 49                                                         | 54                                                         | 46                                                          | 49                                                          | 45                                                           | 45                                                           | 54                                                      | 49                                                       |
| 68                   | 11                   | 58                                    | 52                                                         | 49                                                         | 54                                                         | 46                                                          | 49                                                          | 45                                                           | 46                                                           | 54                                                      | 48                                                       |
| 69                   | 11                   | 59                                    | 52                                                         | 49                                                         | 54                                                         | 47                                                          | 49                                                          | 46                                                           | 46                                                           | 52                                                      | 46                                                       |
| 70                   | 11                   | 59                                    | 51                                                         | 49                                                         | 52                                                         | 45                                                          | 49                                                          | 48                                                           | 48                                                           | 52                                                      | 45                                                       |
| 71                   | 12                   | 60                                    | 51                                                         | 49                                                         | 52                                                         | 46                                                          | 48                                                          | 48                                                           | 48                                                           | 52                                                      | 45                                                       |
| 72                   | 12                   | 60                                    | 51                                                         | 49                                                         | 53                                                         | 46                                                          | 48                                                          | 48                                                           | 48                                                           | 51                                                      | 45                                                       |
| 73                   | 13                   | 61                                    | 51                                                         | 49                                                         | 53                                                         | 46                                                          | 49                                                          | 49                                                           | 48                                                           | 51                                                      | 44                                                       |
| 74                   | 13                   | 61                                    | 51                                                         | 49                                                         | 53                                                         | 46                                                          | 49                                                          | 48                                                           | 49                                                           | 52                                                      | 44                                                       |
| 75                   | 13                   | 61                                    | 51                                                         | 49                                                         | 53                                                         | 47                                                          | 49                                                          | 45                                                           | 46                                                           | 52                                                      | 45                                                       |
| 76                   | 14                   | 61                                    | 51                                                         | 48                                                         | 52                                                         | 47                                                          | 49                                                          | 45                                                           | 45                                                           | 52                                                      | 45                                                       |
| 77                   | 14                   | 62                                    | 51                                                         | 48                                                         | 53                                                         | 48                                                          | 49                                                          | 44                                                           | 43                                                           | 53                                                      | 48                                                       |
| 78                   | 14                   | 62                                    | 51                                                         | 49                                                         | 52                                                         | 48                                                          | 51                                                          | 42                                                           | 41                                                           | 53                                                      | 47                                                       |
| 79                   | 15                   | 62                                    | 51                                                         | 49                                                         | 53                                                         | 46                                                          | 51                                                          | 42                                                           | 42                                                           | 52                                                      | 45                                                       |
| 80                   | 15                   | 62                                    | 51                                                         | 49                                                         | 53                                                         | 47                                                          | 49                                                          | 43                                                           | 44                                                           | 52                                                      | 45                                                       |
| 81                   | 16                   | 62                                    | 51                                                         | 49                                                         | 52                                                         | 44                                                          | 51                                                          | 45                                                           | 45                                                           | 54                                                      | 44                                                       |
| 82                   | 16                   | 62                                    | 51                                                         | 48                                                         | 52                                                         | 44                                                          | 51                                                          | 45                                                           | 45                                                           | 54                                                      | 44                                                       |
| 83                   | 17                   | 63                                    | 51                                                         | 48                                                         | 52                                                         | 45                                                          | 47                                                          | 47                                                           | 46                                                           | 50                                                      | 44                                                       |

| -01<br>STEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBL<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>OUT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>OUT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|----------------------|----------------------|----------------------|---------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 84                   | 17                   | 3                    | 63                                    | 51                                                        | 48                                                        | 52                                                        | 46                                                          | 48                                                          | 46                                                           | 46                                                           | 50                                                      | 46                                                      |
| 85                   | 17                   | 24                   | 63                                    | 52                                                        | 48                                                        | 53                                                        | 46                                                          | 49                                                          | 48                                                           | 48                                                           | 50                                                      | 47                                                      |
| 86                   | 17                   | 45                   | 61                                    | 52                                                        | 47                                                        | 53                                                        | 47                                                          | 49                                                          | 49                                                           | 48                                                           | 51                                                      | 46                                                      |
| 87                   | 18                   | 6                    | 60                                    | 52                                                        | 48                                                        | 52                                                        | 48                                                          | 50                                                          | 49                                                           | 48                                                           | 51                                                      | 48                                                      |
| 88                   | 18                   | 28                   | 60                                    | 52                                                        | 48                                                        | 53                                                        | 48                                                          | 50                                                          | 50                                                           | 48                                                           | 51                                                      | 48                                                      |
| 89                   | 18                   | 49                   | 57                                    | 53                                                        | 51                                                        | 54                                                        | 46                                                          | 48                                                          | 49                                                           | 45                                                           | 50                                                      | 46                                                      |
| 90                   | 19                   | 10                   | 53                                    | 54                                                        | 51                                                        | 54                                                        | 41                                                          | 45                                                          | 46                                                           | 43                                                           | 44                                                      | 44                                                      |
| 91                   | 19                   | 31                   | 50                                    | 55                                                        | 52                                                        | 55                                                        | 41                                                          | 45                                                          | 46                                                           | 44                                                           | 49                                                      | 43                                                      |
| 92                   | 19                   | 52                   | 48                                    | 56                                                        | 54                                                        | 56                                                        | 40                                                          | 46                                                          | 46                                                           | 43                                                           | 47                                                      | 42                                                      |
| 93                   | 20                   | 12                   | 46                                    | 57                                                        | 55                                                        | 56                                                        | 40                                                          | 45                                                          | 45                                                           | 44                                                           | 47                                                      | 43                                                      |
| 94                   | 20                   | 34                   | 44                                    | 57                                                        | 55                                                        | 57                                                        | 41                                                          | 44                                                          | 44                                                           | 44                                                           | 46                                                      | 42                                                      |
| 95                   | 20                   | 54                   | 43                                    | 57                                                        | 55                                                        | 57                                                        | 41                                                          | 44                                                          | 44                                                           | 42                                                           | 45                                                      | 42                                                      |
| 96                   | 21                   | 16                   | 42                                    | 57                                                        | 55                                                        | 56                                                        | 39                                                          | 44                                                          | 44                                                           | 42                                                           | 45                                                      | 42                                                      |
| 97                   | 21                   | 37                   | 42                                    | 56                                                        | 55                                                        | 55                                                        | 39                                                          | 43                                                          | 43                                                           | 42                                                           | 44                                                      | 41                                                      |
| 98                   | 21                   | 58                   | 42                                    | 57                                                        | 55                                                        | 56                                                        | 39                                                          | 43                                                          | 44                                                           | 43                                                           | 44                                                      | 41                                                      |
| 99                   | 22                   | 40                   | 41                                    | 55                                                        | 54                                                        | 54                                                        | 39                                                          | 42                                                          | 43                                                           | 43                                                           | 43                                                      | 42                                                      |
| 100                  | 22                   | 1                    | 41                                    | 55                                                        | 54                                                        | 54                                                        | 39                                                          | 42                                                          | 44                                                           | 43                                                           | 43                                                      | 42                                                      |
| 101                  | 23                   | 22                   | 40                                    | 55                                                        | 54                                                        | 54                                                        | 39                                                          | 41                                                          | 43                                                           | 43                                                           | 42                                                      | 41                                                      |
| 102                  | 23                   | 43                   | 40                                    | 54                                                        | 53                                                        | 53                                                        | 39                                                          | 41                                                          | 44                                                           | 43                                                           | 42                                                      | 41                                                      |
| 103                  | 23                   | 4                    | 40                                    | 53                                                        | 54                                                        | 54                                                        | 39                                                          | 41                                                          | 43                                                           | 44                                                           | 42                                                      | 41                                                      |
| 104                  | 24                   | 25                   | 40                                    | 54                                                        | 54                                                        | 54                                                        | 39                                                          | 41                                                          | 43                                                           | 44                                                           | 42                                                      | 42                                                      |
| 105                  | 24                   | 46                   | 40                                    | 52                                                        | 51                                                        | 52                                                        | 40                                                          | 41                                                          | 43                                                           | 44                                                           | 42                                                      | 42                                                      |
| 106                  | 25                   | 7                    | 39                                    | 52                                                        | 51                                                        | 52                                                        | 39                                                          | 41                                                          | 43                                                           | 44                                                           | 42                                                      | 42                                                      |
| 107                  | 25                   | 28                   | 40                                    | 52                                                        | 51                                                        | 51                                                        | 39                                                          | 41                                                          | 44                                                           | 44                                                           | 42                                                      | 41                                                      |
| 108                  | 25                   | 49                   | 40                                    | 51                                                        | 50                                                        | 51                                                        | 40                                                          | 42                                                          | 44                                                           | 44                                                           | 42                                                      | 43                                                      |
| 109                  | 26                   | 10                   | 40                                    | 51                                                        | 51                                                        | 51                                                        | 40                                                          | 42                                                          | 45                                                           | 46                                                           | 43                                                      | 46                                                      |
| 110                  | 26                   | 35                   | 40                                    | 51                                                        | 51                                                        | 51                                                        | 44                                                          | 45                                                          | 45                                                           | 46                                                           | 44                                                      | 46                                                      |
| 111                  | 26                   | 51                   | 40                                    | 51                                                        | 51                                                        | 51                                                        | 44                                                          | 45                                                          | 48                                                           | 48                                                           | 44                                                      | 46                                                      |
| 112                  | 26                   | 52                   | 40                                    | 51                                                        | 51                                                        | 50                                                        | 45                                                          | 45                                                          | 48                                                           | 48                                                           | 45                                                      | 47                                                      |
| 113                  | 27                   | 17                   | 41                                    | 53                                                        | 49                                                        | 50                                                        | 45                                                          | 46                                                          | 48                                                           | 48                                                           | 45                                                      | 47                                                      |
| 114                  | 27                   | 34                   | 41                                    | 49                                                        | 49                                                        | 51                                                        | 45                                                          | 46                                                          | 48                                                           | 48                                                           | 46                                                      | 47                                                      |
| 115                  | 27                   | 55                   | 42                                    | 50                                                        | 49                                                        | 49                                                        | 46                                                          | 47                                                          | 47                                                           | 47                                                           | 46                                                      | 48                                                      |
| 116                  | 28                   | 16                   | 42                                    | 51                                                        | 49                                                        | 50                                                        | 46                                                          | 48                                                          | 47                                                           | 46                                                           | 46                                                      | 48                                                      |
| 117                  | 28                   | 37                   | 43                                    | 49                                                        | 49                                                        | 49                                                        | 46                                                          | 48                                                          | 45                                                           | 45                                                           | 46                                                      | 48                                                      |
| 118                  | 28                   | 58                   | 43                                    | 49                                                        | 49                                                        | 45                                                        | 45                                                          | 47                                                          | 45                                                           | 43                                                           | 46                                                      | 45                                                      |
| 119                  | 29                   | 18                   | 44                                    | 49                                                        | 47                                                        | 47                                                        | 45                                                          | 47                                                          | 44                                                           | 43                                                           | 46                                                      | 44                                                      |
| 120                  | 29                   | 40                   | 44                                    | 48                                                        | 46                                                        | 47                                                        | 44                                                          | 47                                                          | 44                                                           | 43                                                           | 44                                                      | 44                                                      |
| 121                  | 30                   | 2                    | 44                                    | 46                                                        | 45                                                        | 46                                                        | 44                                                          | 47                                                          | 42                                                           | 42                                                           | 44                                                      | 44                                                      |
| 122                  | 30                   | 27                   | 44                                    | 44                                                        | 45                                                        | 45                                                        | 45                                                          | 46                                                          | 43                                                           | 44                                                           | 44                                                      | 44                                                      |
| 123                  | 30                   | 48                   | 44                                    | 44                                                        | 44                                                        | 44                                                        | 45                                                          | 46                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                      |
| 124                  | 31                   | 9                    | 44                                    | 44                                                        | 44                                                        | 43                                                        | 44                                                          | 45                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 125                  | 31                   | 29                   | 44                                    | 42                                                        | 43                                                        | 43                                                        | 44                                                          | 45                                                          | 44                                                           | 44                                                           | 44                                                      | 43                                                      |
| 126                  | 31                   | 50                   | 44                                    | 42                                                        | 43                                                        | 42                                                        | 45                                                          | 45                                                          | 44                                                           | 45                                                           | 44                                                      | 43                                                      |
| 127                  | 32                   | 11                   | 44                                    | 42                                                        | 43                                                        | 42                                                        | 44                                                          | 45                                                          | 43                                                           | 45                                                           | 44                                                      | 42                                                      |
| 128                  | 32                   | 32                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 129                  | 32                   | 53                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 130                  | 33                   | 14                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 131                  | 33                   | 35                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 132                  | 33                   | 56                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 133                  | 34                   | 17                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 134                  | 34                   | 38                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 135                  | 34                   | 59                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 136                  | 35                   | 20                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 137                  | 35                   | 41                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 138                  | 35                   | 62                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 139                  | 36                   | 3                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 140                  | 36                   | 24                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 141                  | 36                   | 45                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 142                  | 37                   | 6                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 143                  | 37                   | 27                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 144                  | 37                   | 48                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 145                  | 38                   | 9                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 146                  | 38                   | 30                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 147                  | 38                   | 51                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 148                  | 39                   | 12                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 149                  | 39                   | 33                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 150                  | 39                   | 54                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 151                  | 40                   | 15                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 152                  | 40                   | 36                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 153                  | 40                   | 57                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 154                  | 41                   | 18                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 155                  | 41                   | 39                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 156                  | 41                   | 60                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 157                  | 42                   | 1                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 158                  | 42                   | 22                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 159                  | 42                   | 43                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 160                  | 42                   | 64                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 161                  | 43                   | 25                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 162                  | 43                   | 46                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 163                  | 43                   | 67                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 164                  | 44                   | 8                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 165                  | 44                   | 29                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 166                  | 44                   | 50                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 167                  | 45                   | 11                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 168                  | 45                   | 32                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 169                  | 45                   | 53                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 170                  | 46                   | 14                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 171                  | 46                   | 35                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 172                  | 46                   | 56                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 173                  | 47                   | 17                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 174                  | 47                   | 38                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 175                  | 47                   | 59                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 176                  | 48                   | 20                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 177                  | 48                   | 41                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 178                  | 48                   | 62                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 179                  | 49                   | 23                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 180                  | 49                   | 44                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 181                  | 49                   | 65                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 182                  | 50                   | 26                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 183                  | 50                   | 47                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 184                  | 50                   | 68                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 185                  | 51                   | 9                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 186                  | 51                   | 30                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 187                  | 51                   | 51                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 188                  | 51                   | 72                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 189                  | 52                   | 13                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 190                  | 52                   | 34                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 191                  | 52                   | 55                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 192                  | 53                   | 16                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 193                  | 53                   | 37                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 194                  | 53                   | 58                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 195                  | 54                   | 19                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 196                  | 54                   | 40                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 197                  | 54                   | 61                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 198                  | 55                   | 2                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 199                  | 55                   | 23                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 200                  | 55                   | 44                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 201                  | 55                   | 65                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 202                  | 56                   | 26                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 203                  | 56                   | 47                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 204                  | 56                   | 68                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 205                  | 57                   | 9                    | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 206                  | 57                   | 30                   | 44                                    | 42                                                        | 42                                                        | 42                                                        | 44                                                          | 44                                                          | 43                                                           | 44                                                           | 44                                                      | 43                                                      |
| 207                  | 57                   | 51                   | 44                                    | 42                                                        | 42                                                        |                                                           |                                                             |                                                             |                                                              |                                                              |                                                         |                                                         |



| -01<br>SLEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBR<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FND<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FND<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L-S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R-S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>MAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 135                   | 35                   | 19                   | *                                     | *                                                         | 42                                                         | 42                                                         | 45                                                          | 46                                                          | 46                                                           | 48                                                           | 45                                                      | 45                                                       |
| 136                   | 35                   | 40                   | 45                                    | 42                                                        | 43                                                         | 43                                                         | 45                                                          | 45                                                          | 45                                                           | 47                                                           | 45                                                      | 46                                                       |
| 137                   | 35                   | 40                   | 44                                    | 44                                                        | 43                                                         | 44                                                         | 46                                                          | 46                                                          | 46                                                           | 48                                                           | 46                                                      | 45                                                       |
| 138                   | 36                   | 1                    | 44                                    | 43                                                        | 44                                                         | 44                                                         | 46                                                          | 46                                                          | 46                                                           | 47                                                           | 46                                                      | 45                                                       |
| 139                   | 36                   | 22                   | 44                                    | 43                                                        | 43                                                         | 44                                                         | 46                                                          | 46                                                          | 46                                                           | 48                                                           | 46                                                      | 45                                                       |
| 140                   | 36                   | 44                   | 42                                    | 44                                                        | 44                                                         | 44                                                         | 46                                                          | 47                                                          | 46                                                           | 44                                                           | 46                                                      | 46                                                       |
| 141                   | 37                   | 5                    | 41                                    | 44                                                        | 44                                                         | 44                                                         | 45                                                          | 46                                                          | 44                                                           | 44                                                           | 46                                                      | 45                                                       |
| 142                   | 37                   | 26                   | 39                                    | 43                                                        | 43                                                         | 43                                                         | 44                                                          | 46                                                          | 44                                                           | *                                                            | 46                                                      | 45                                                       |
| 143                   | 37                   | 47                   | 39                                    | 42                                                        | 42                                                         | 43                                                         | 44                                                          | 46                                                          | 44                                                           | 44                                                           | 45                                                      | 44                                                       |
| 144                   | 37                   | 8                    | 39                                    | 42                                                        | 42                                                         | 42                                                         | 44                                                          | 46                                                          | 44                                                           | 44                                                           | 45                                                      | 44                                                       |
| 145                   | 38                   | 29                   | 39                                    | 41                                                        | 41                                                         | 42                                                         | 43                                                          | 46                                                          | 43                                                           | 45                                                           | 45                                                      | 44                                                       |
| 146                   | 38                   | 50                   | 38                                    | 41                                                        | 41                                                         | 41                                                         | 43                                                          | 46                                                          | 44                                                           | 45                                                           | 45                                                      | 44                                                       |
| 147                   | 39                   | 11                   | 38                                    | 40                                                        | 41                                                         | 41                                                         | 43                                                          | 45                                                          | 44                                                           | 44                                                           | 45                                                      | 43                                                       |
| 148                   | 39                   | 33                   | 38                                    | 41                                                        | 41                                                         | 41                                                         | 43                                                          | 44                                                          | 44                                                           | 44                                                           | 45                                                      | 43                                                       |
| 149                   | 39                   | 54                   | 38                                    | 40                                                        | 40                                                         | 41                                                         | 43                                                          | 44                                                          | 42                                                           | 43                                                           | 43                                                      | 43                                                       |
| 150                   | 40                   | 15                   | 38                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 42                                                           | 44                                                           | 44                                                      | 44                                                       |
| 151                   | 40                   | 36                   | 38                                    | 41                                                        | 40                                                         | 40                                                         | 44                                                          | 44                                                          | 42                                                           | 43                                                           | 44                                                      | 44                                                       |
| 152                   | 40                   | 57                   | 38                                    | 40                                                        | 40                                                         | 40                                                         | 44                                                          | 44                                                          | 43                                                           | 43                                                           | 44                                                      | 44                                                       |
| 153                   | 41                   | 18                   | 38                                    | 40                                                        | 40                                                         | 41                                                         | 45                                                          | 44                                                          | 42                                                           | 43                                                           | 44                                                      | 44                                                       |
| 154                   | 41                   | 39                   | 38                                    | 40                                                        | 40                                                         | 40                                                         | 44                                                          | 44                                                          | 42                                                           | 43                                                           | 44                                                      | 44                                                       |
| 155                   | 42                   | 8                    | 38                                    | 41                                                        | 40                                                         | 40                                                         | 44                                                          | 44                                                          | 42                                                           | 43                                                           | 44                                                      | 44                                                       |
| 156                   | 42                   | 21                   | 38                                    | 40                                                        | 40                                                         | 41                                                         | 43                                                          | 44                                                          | 42                                                           | 44                                                           | 44                                                      | 44                                                       |
| 157                   | 42                   | 43                   | 38                                    | 40                                                        | 40                                                         | 40                                                         | 42                                                          | 43                                                          | 42                                                           | 43                                                           | 43                                                      | 44                                                       |
| 158                   | 43                   | 4                    | 38                                    | 41                                                        | 40                                                         | 40                                                         | 43                                                          | 43                                                          | 42                                                           | 42                                                           | 42                                                      | 43                                                       |
| 159                   | 43                   | 25                   | 38                                    | 40                                                        | 40                                                         | 41                                                         | 43                                                          | 44                                                          | 43                                                           | 42                                                           | 42                                                      | 42                                                       |
| 160                   | 43                   | 46                   | 38                                    | 40                                                        | 41                                                         | 41                                                         | 43                                                          | 43                                                          | 43                                                           | 42                                                           | 42                                                      | 42                                                       |
| 161                   | 44                   | 7                    | 38                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 43                                                          | 43                                                           | 46                                                           | 43                                                      | 44                                                       |
| 162                   | 44                   | 28                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 45                                                           | 46                                                           | 44                                                      | 44                                                       |
| 163                   | 44                   | 49                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 45                                                           | 46                                                           | 44                                                      | 44                                                       |
| 164                   | 45                   | 13                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 165                   | 45                   | 31                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 43                                                          | 43                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 166                   | 45                   | 52                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 167                   | 46                   | 19                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 168                   | 46                   | 35                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 169                   | 46                   | 56                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 170                   | 47                   | 17                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 171                   | 47                   | 39                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 172                   | 47                   | 59                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 173                   | 48                   | 20                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 174                   | 48                   | 41                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 175                   | 48                   | 62                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 176                   | 49                   | 24                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 177                   | 49                   | 45                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 178                   | 49                   | 66                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 179                   | 50                   | 27                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 180                   | 50                   | 48                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 181                   | 51                   | 9                    | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 182                   | 51                   | 30                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 183                   | 51                   | 51                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 184                   | 52                   | 12                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 185                   | 52                   | 33                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 186                   | 52                   | 54                   | 41                                    | 41                                                        | 41                                                         | 41                                                         | 44                                                          | 44                                                          | 44                                                           | 44                                                           | 44                                                      | 44                                                       |

| -01<br>PAGE<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CAMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 185                  | 52                   | 34                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 42                                                          | 41                                                           | 42                                                           | 42                                                      | 41                                                       |
| 186                  | 52                   | 55                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 42                                                           | 43                                                      | 42                                                       |
| 187                  | 53                   | 16                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 43                                                          | 42                                                           | 42                                                           | 44                                                      | 44                                                       |
| 188                  | 53                   | 37                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 43                                                          | 42                                                           | 42                                                           | 43                                                      | 44                                                       |
| 189                  | 53                   | 58                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 43                                                          | 41                                                           | 42                                                           | 44                                                      | 44                                                       |
| 190                  | 54                   | 19                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 40                                                          | 44                                                          | 41                                                           | 42                                                           | 44                                                      | 44                                                       |
| 191                  | 54                   | 40                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 43                                                          | 41                                                           | 42                                                           | 43                                                      | 44                                                       |
| 192                  | 55                   | 1                    | 38                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 43                                                          | 41                                                           | 42                                                           | 44                                                      | 44                                                       |
| 193                  | 55                   | 22                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 44                                                          | 41                                                           | 42                                                           | 44                                                      | 44                                                       |
| 194                  | 55                   | 42                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 45                                                          | 42                                                           | 42                                                           | 44                                                      | 45                                                       |
| 195                  | 56                   | 4                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 41                                                          | 45                                                          | 41                                                           | 41                                                           | 44                                                      | 44                                                       |
| 196                  | 56                   | 26                   | 36                                    | 38                                                         | 38                                                         | 38                                                         | 39                                                          | 44                                                          | 41                                                           | 41                                                           | 44                                                      | 44                                                       |
| 197                  | 56                   | 47                   | 37                                    | 38                                                         | 37                                                         | 37                                                         | 40                                                          | 42                                                          | 41                                                           | 41                                                           | 43                                                      | 44                                                       |
| 198                  | 57                   | 8                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 41                                                          | 43                                                          | 41                                                           | 42                                                           | 43                                                      | 43                                                       |
| 199                  | 57                   | 29                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 43                                                          | 41                                                           | 42                                                           | 44                                                      | 43                                                       |
| 200                  | 57                   | 50                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 42                                                          | 44                                                          | 41                                                           | 41                                                           | 44                                                      | 44                                                       |
| 201                  | 58                   | 11                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 42                                                          | 44                                                          | 41                                                           | 41                                                           | 44                                                      | 44                                                       |
| 202                  | 58                   | 32                   | 39                                    | 38                                                         | 38                                                         | 38                                                         | 42                                                          | 44                                                          | 42                                                           | 43                                                           | 44                                                      | 44                                                       |
| 203                  | 59                   | 53                   | 39                                    | 38                                                         | 38                                                         | 38                                                         | 42                                                          | 44                                                          | 42                                                           | 45                                                           | 45                                                      | 44                                                       |
| 204                  | 59                   | 14                   | 39                                    | 38                                                         | 38                                                         | 38                                                         | 42                                                          | 44                                                          | 42                                                           | 45                                                           | 45                                                      | 44                                                       |
| 205                  | 59                   | 35                   | 39                                    | 38                                                         | 38                                                         | 38                                                         | 42                                                          | 44                                                          | 42                                                           | 45                                                           | 45                                                      | 44                                                       |
| 206                  | 59                   | 56                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 42                                                          | 45                                                          | 42                                                           | 45                                                           | 44                                                      | 43                                                       |
| 207                  | 60                   | 17                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 42                                                          | 45                                                          | 42                                                           | 44                                                           | 44                                                      | 43                                                       |
| 208                  | 60                   | 38                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 42                                                          | 45                                                          | 42                                                           | 42                                                           | 43                                                      | 42                                                       |
| 209                  | 60                   | 59                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 42                                                          | 45                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 210                  | 61                   | 20                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 211                  | 61                   | 42                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 212                  | 61                   | 51                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 213                  | 62                   | 3                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 214                  | 62                   | 24                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 215                  | 62                   | 45                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 216                  | 63                   | 6                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 217                  | 63                   | 27                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 218                  | 63                   | 48                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 219                  | 64                   | 9                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 220                  | 64                   | 30                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 221                  | 64                   | 51                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 222                  | 65                   | 17                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 223                  | 65                   | 34                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 224                  | 65                   | 55                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 225                  | 66                   | 14                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 226                  | 66                   | 37                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 227                  | 66                   | 58                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 228                  | 67                   | 19                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 229                  | 67                   | 41                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 230                  | 67                   | 62                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 231                  | 68                   | 1                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 232                  | 68                   | 22                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 233                  | 68                   | 43                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 234                  | 69                   | 4                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 235                  | 69                   | 25                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 236                  | 69                   | 46                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 237                  | 70                   | 7                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 238                  | 70                   | 28                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 239                  | 70                   | 49                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 240                  | 71                   | 10                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 241                  | 71                   | 31                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 242                  | 71                   | 52                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 243                  | 72                   | 13                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 244                  | 72                   | 34                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 245                  | 72                   | 55                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 246                  | 73                   | 16                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 247                  | 73                   | 37                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 248                  | 73                   | 58                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 249                  | 74                   | 19                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 250                  | 74                   | 40                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 251                  | 74                   | 61                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 252                  | 75                   | 1                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 253                  | 75                   | 22                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 254                  | 75                   | 43                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 255                  | 76                   | 4                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 256                  | 76                   | 25                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 257                  | 76                   | 46                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 258                  | 77                   | 7                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 259                  | 77                   | 28                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 260                  | 77                   | 49                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 261                  | 78                   | 10                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 262                  | 78                   | 31                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 263                  | 78                   | 52                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 264                  | 79                   | 13                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 265                  | 79                   | 34                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 266                  | 79                   | 55                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 267                  | 80                   | 16                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 268                  | 80                   | 37                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 269                  | 80                   | 58                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 270                  | 81                   | 19                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 271                  | 81                   | 40                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 272                  | 81                   | 61                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 273                  | 82                   | 1                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 274                  | 82                   | 22                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 275                  | 82                   | 43                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 276                  | 83                   | 4                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 277                  | 83                   | 25                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 278                  | 83                   | 46                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 279                  | 84                   | 7                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 280                  | 84                   | 28                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 281                  | 84                   | 49                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 282                  | 85                   | 10                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 283                  | 85                   | 31                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 284                  | 85                   | 52                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 285                  | 86                   | 13                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 286                  | 86                   | 34                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 287                  | 86                   | 55                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 288                  | 87                   | 16                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 289                  | 87                   | 37                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 290                  | 87                   | 58                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 291                  | 88                   | 19                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 292                  | 88                   | 40                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 293                  | 88                   | 61                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 294                  | 89                   | 1                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 295                  | 89                   | 22                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 296                  | 89                   | 43                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 297                  | 90                   | 4                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 298                  | 90                   | 25                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 299                  | 90                   | 46                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 300                  | 91                   | 7                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 301                  | 91                   | 28                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 302                  | 91                   | 49                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 303                  | 92                   | 10                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 304                  | 92                   | 31                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 305                  | 92                   | 52                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 306                  | 93                   | 13                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 307                  | 93                   | 34                   | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 44                                                          | 42                                                           | 42                                                           | 44                                                      | 42                                                       |
| 308                  | 93                   | 55                   | 39                                    |                                                            |                                                            |                                                            |                                                             |                                                             |                                                              |                                                              |                                                         |                                                          |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMPER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>ST4460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>ST4460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 235                   | 70                   | 8                    | 36                                    | 36                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 41                                                      |
| 236                   | 70                   | 29                   | 37                                    | 36                                                         | 34                                                         | 37                                                         | 41                                                          | 42                                                          | 42                                                           | 42                                                           | 42                                                      | 42                                                      |
| 237                   | 70                   | 50                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 42                                                          | 42                                                          | 42                                                           | 42                                                           | 42                                                      | 42                                                      |
| 238                   | 71                   | 11                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 42                                                          | 42                                                          | 42                                                           | 42                                                           | 42                                                      | 42                                                      |
| 239                   | 71                   | 32                   | 36                                    | 36                                                         | 36                                                         | 36                                                         | 42                                                          | 44                                                          | 42                                                           | 41                                                           | 42                                                      | 42                                                      |
| 240                   | 71                   | 53                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 42                                                          | 43                                                          | 40                                                           | 41                                                           | 41                                                      | 41                                                      |
| 241                   | 72                   | 14                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 40                                                           | 41                                                           | 41                                                      | 40                                                      |
| 242                   | 72                   | 35                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 42                                                          | 43                                                          | 41                                                           | 40                                                           | 42                                                      | 40                                                      |
| 243                   | 72                   | 56                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 42                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 41                                                      |
| 244                   | 73                   | 17                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 42                                                           | 41                                                      | 41                                                      |
| 245                   | 73                   | 38                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 246                   | 73                   | 59                   | 36                                    | 37                                                         | 36                                                         | 37                                                         | 41                                                          | 41                                                          | 40                                                           | 41                                                           | 42                                                      | 41                                                      |
| 247                   | 74                   | 20                   | 36                                    | 37                                                         | 36                                                         | 37                                                         | 42                                                          | 41                                                          | 41                                                           | 40                                                           | 42                                                      | 41                                                      |
| 248                   | 74                   | 41                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 42                                                      |
| 249                   | 75                   | 2                    | 36                                    | 37                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 41                                                      |
| 250                   | 75                   | 23                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 40                                                           | 41                                                           | 42                                                      | 41                                                      |
| 251                   | 75                   | 44                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 41                                                      |
| 252                   | 75                   | 6                    | 37                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 42                                                      |
| 253                   | 76                   | 27                   | 37                                    | 37                                                         | 36                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 42                                                           | 42                                                      | 42                                                      |
| 254                   | 76                   | 48                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 41                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 42                                                      |
| 255                   | 77                   | 9                    | 36                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 42                                                      |
| 256                   | 77                   | 30                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 42                                                          | 41                                                           | 41                                                           | 43                                                      | 42                                                      |
| 257                   | 77                   | 51                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 42                                                          | 41                                                           | 40                                                           | 42                                                      | 42                                                      |
| 258                   | 78                   | 12                   | 35                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 42                                                      |
| 259                   | 78                   | 33                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 39                                                          | 42                                                          | 41                                                           | 40                                                           | 43                                                      | 42                                                      |
| 260                   | 78                   | 55                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 39                                                          | 42                                                          | 40                                                           | 41                                                           | 42                                                      | 42                                                      |
| 261                   | 79                   | 16                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 39                                                          | 42                                                          | 40                                                           | 41                                                           | 42                                                      | 42                                                      |
| 262                   | 79                   | 37                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 42                                                      |
| 263                   | 79                   | 58                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 42                                                          | 41                                                           | 41                                                           | 42                                                      | 41                                                      |
| 264                   | 80                   | 19                   | 37                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 42                                                      | 41                                                      |
| 265                   | 80                   | 40                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 42                                                      | 40                                                      |
| 266                   | 81                   | 1                    | 36                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 40                                                      |
| 267                   | 81                   | 23                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 40                                                      |
| 268                   | 81                   | 44                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 40                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 269                   | 82                   | 5                    | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 270                   | 82                   | 26                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 271                   | 82                   | 47                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 272                   | 83                   | 8                    | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 273                   | 83                   | 29                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 274                   | 83                   | 50                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 275                   | 84                   | 11                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 276                   | 84                   | 32                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 277                   | 84                   | 53                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 278                   | 85                   | 14                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 279                   | 85                   | 35                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 280                   | 85                   | 56                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 281                   | 86                   | 17                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 282                   | 86                   | 38                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 283                   | 86                   | 59                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |
| 284                   | 87                   | 20                   | 36                                    | 36                                                         | 37                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                      |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CXPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CXPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STAGE<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STAGE<br>-470RS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 285                   | 07                   | 42                   | 36                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 41                                                          | 40                                                          | 40                                                      | 39                                                       |
| 286                   | 08                   | 3                    | 36                                    | 38                                                         | 37                                                         | 37                                                         | 39                                                          | 41                                                          | 40                                                          | 40                                                          | 41                                                      | 39                                                       |
| 287                   | 08                   | 24                   | 36                                    | 38                                                         | 37                                                         | 37                                                         | 39                                                          | 41                                                          | 39                                                          | 41                                                          | 41                                                      | 39                                                       |
| 288                   | 08                   | 45                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 40                                                          | 41                                                          | 40                                                          | 41                                                          | 41                                                      | 40                                                       |
| 289                   | 09                   | 5                    | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 41                                                          | 40                                                          | 41                                                          | 40                                                      | 39                                                       |
| 290                   | 09                   | 27                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 41                                                          | 39                                                          | 40                                                          | 40                                                      | 39                                                       |
| 291                   | 09                   | 49                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                          | 41                                                          | 41                                                      | 39                                                       |
| 292                   | 09                   | 10                   | 36                                    | 38                                                         | 37                                                         | 38                                                         | 39                                                          | 41                                                          | 39                                                          | 40                                                          | 41                                                      | 39                                                       |
| 293                   | 09                   | 31                   | 36                                    | 37                                                         | 37                                                         | 36                                                         | 39                                                          | 41                                                          | 39                                                          | 40                                                          | 40                                                      | 39                                                       |
| 294                   | 09                   | 52                   | 36                                    | 37                                                         | 37                                                         | 36                                                         | 38                                                          | 40                                                          | 40                                                          | 40                                                          | 41                                                      | 39                                                       |
| 295                   | 09                   | 13                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 41                                                          | 41                                                          | 40                                                          | 40                                                      | 40                                                       |
| 296                   | 09                   | 34                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 40                                                          | 41                                                          | 40                                                      | 39                                                       |
| 297                   | 09                   | 55                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 41                                                          | 40                                                          | 41                                                          | 41                                                      | 39                                                       |
| 298                   | 09                   | 17                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 40                                                          | 39                                                          | 40                                                      | 39                                                       |
| 299                   | 09                   | 38                   | 37                                    | 37                                                         | 37                                                         | 36                                                         | 39                                                          | 40                                                          | 40                                                          | 40                                                          | 40                                                      | 39                                                       |
| 300                   | 09                   | 59                   | 37                                    | 36                                                         | 37                                                         | 36                                                         | 39                                                          | 40                                                          | 39                                                          | 39                                                          | 40                                                      | 38                                                       |
| 301                   | 09                   | 20                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                          | 39                                                          | 40                                                      | 38                                                       |
| 302                   | 09                   | 41                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                          | 40                                                          | 40                                                      | 38                                                       |
| 303                   | 09                   | 2                    | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                          | 40                                                          | 40                                                      | 39                                                       |
| 304                   | 09                   | 23                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 41                                                          | 40                                                          | 40                                                          | 40                                                      | 39                                                       |
| 305                   | 09                   | 45                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 40                                                          | 40                                                          | 40                                                      | 39                                                       |
| 306                   | 09                   | 6                    | 36                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 40                                                          | 41                                                          | 40                                                      | 38                                                       |
| 307                   | 09                   | 27                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                          | 41                                                          | 40                                                      | 38                                                       |
| 308                   | 09                   | 48                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                          | 40                                                          | 39                                                      | 39                                                       |
| 309                   | 09                   | 9                    | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 41                                                          | 40                                                          | 40                                                          | 40                                                      | 39                                                       |
| 310                   | 09                   | 30                   | 36                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                          | 40                                                          | 40                                                      | 38                                                       |
| 311                   | 09                   | 51                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 39                                                          | 40                                                          | 40                                                          | 40                                                          | 39                                                      | 39                                                       |
| 312                   | 09                   | 13                   | 37                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 40                                                          | 39                                                          | 41                                                          | 40                                                      | 39                                                       |
| 313                   | 09                   | 34                   | 38                                    | 37                                                         | 37                                                         | 37                                                         | 40                                                          | 39                                                          | 39                                                          | 41                                                          | 39                                                      | 38                                                       |
| 314                   | 09                   | 55                   | 39                                    | 38                                                         | 38                                                         | 38                                                         | 40                                                          | 40                                                          | 41                                                          | 40                                                          | 40                                                      | 38                                                       |
| 315                   | 09                   | 16                   | 38                                    | 39                                                         | 38                                                         | 38                                                         | 41                                                          | 40                                                          | 41                                                          | 40                                                          | 40                                                      | 39                                                       |
| 316                   | 09                   | 37                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 41                                                          | 41                                                          | 41                                                          | 41                                                      | 40                                                       |
| 317                   | 09                   | 58                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 41                                                          | 41                                                          | 41                                                          | 41                                                      | 40                                                       |
| 318                   | 09                   | 19                   | 38                                    | 38                                                         | 39                                                         | 38                                                         | 41                                                          | 41                                                          | 42                                                          | 43                                                          | 40                                                      | 40                                                       |
| 319                   | 09                   | 40                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 41                                                          | 42                                                          | 44                                                          | 41                                                      | 40                                                       |
| 320                   | 09                   | 1                    | 39                                    | 38                                                         | 39                                                         | 39                                                         | 41                                                          | 41                                                          | 42                                                          | 44                                                          | 41                                                      | 40                                                       |
| 321                   | 09                   | 22                   | 39                                    | 38                                                         | 39                                                         | 38                                                         | 41                                                          | 41                                                          | 42                                                          | 44                                                          | 41                                                      | 40                                                       |
| 322                   | 09                   | 43                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 42                                                          | 41                                                          | 43                                                          | 44                                                          | 42                                                      | 41                                                       |
| 323                   | 09                   | 4                    | 39                                    | 39                                                         | 39                                                         | 39                                                         | 42                                                          | 41                                                          | 43                                                          | 44                                                          | 42                                                      | 41                                                       |
| 324                   | 09                   | 25                   | 39                                    | 39                                                         | 39                                                         | 39                                                         | 42                                                          | 41                                                          | 43                                                          | 45                                                          | 41                                                      | 41                                                       |
| 325                   | 09                   | 46                   | 38                                    | 38                                                         | 39                                                         | 39                                                         | 42                                                          | 41                                                          | 43                                                          | 46                                                          | 41                                                      | 41                                                       |
| 326                   | 09                   | 7                    | 38                                    | 38                                                         | 38                                                         | 38                                                         | 42                                                          | 40                                                          | 42                                                          | 43                                                          | 41                                                      | 40                                                       |
| 327                   | 09                   | 28                   | 38                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 41                                                          | 42                                                          | 43                                                          | 41                                                      | 40                                                       |
| 328                   | 09                   | 49                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 41                                                          | 41                                                          | 41                                                          | 42                                                          | 41                                                      | 39                                                       |
| 329                   | 09                   | 10                   | 37                                    | 38                                                         | 38                                                         | 38                                                         | 40                                                          | 41                                                          | 41                                                          | 41                                                          | 41                                                      | 39                                                       |
| 330                   | 09                   | 31                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 41                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 331                   | 09                   | 52                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 332                   | 09                   | 13                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 333                   | 09                   | 34                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 334                   | 09                   | 55                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 335                   | 09                   | 16                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 336                   | 09                   | 37                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 337                   | 09                   | 58                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 338                   | 09                   | 19                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 339                   | 09                   | 40                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 340                   | 09                   | 1                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 341                   | 09                   | 22                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 342                   | 09                   | 43                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 343                   | 09                   | 4                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 344                   | 09                   | 25                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 345                   | 09                   | 46                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 346                   | 09                   | 7                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 347                   | 09                   | 28                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 348                   | 09                   | 49                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 349                   | 09                   | 10                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 350                   | 09                   | 31                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 351                   | 09                   | 52                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 352                   | 09                   | 13                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 353                   | 09                   | 34                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 354                   | 09                   | 55                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 355                   | 09                   | 16                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 356                   | 09                   | 37                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 357                   | 09                   | 58                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 358                   | 09                   | 19                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 359                   | 09                   | 40                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 360                   | 09                   | 1                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 361                   | 09                   | 22                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 362                   | 09                   | 43                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 363                   | 09                   | 4                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 364                   | 09                   | 25                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 365                   | 09                   | 46                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 366                   | 09                   | 7                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 367                   | 09                   | 28                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 368                   | 09                   | 49                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 369                   | 09                   | 10                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 370                   | 09                   | 31                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 371                   | 09                   | 52                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 372                   | 09                   | 13                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 373                   | 09                   | 34                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 374                   | 09                   | 55                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 375                   | 09                   | 16                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 376                   | 09                   | 37                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 377                   | 09                   | 58                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 378                   | 09                   | 19                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 379                   | 09                   | 40                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 380                   | 09                   | 1                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 381                   | 09                   | 22                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 382                   | 09                   | 43                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 383                   | 09                   | 4                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 384                   | 09                   | 25                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 385                   | 09                   | 46                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 386                   | 09                   | 7                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 387                   | 09                   | 28                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 388                   | 09                   | 49                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 389                   | 09                   | 10                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 390                   | 09                   | 31                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 391                   | 09                   | 52                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 392                   | 09                   | 13                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 393                   | 09                   | 34                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 394                   | 09                   | 55                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 395                   | 09                   | 16                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 396                   | 09                   | 37                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 397                   | 09                   | 58                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 398                   | 09                   | 19                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 399                   | 09                   | 40                   | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |
| 400                   | 09                   | 1                    | 37                                    | 38                                                         | 38                                                         | 37                                                         | 40                                                          | 40                                                          | 40                                                          | 42                                                          | 41                                                      | 39                                                       |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 1-06<br>HEATER<br>PLENUM<br>CHMER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 335                   | 105                  | 17                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 40                                                          | 41                                                           | 41                                                           | 40                                                      | 39                                                       |
| 336                   | 105                  | 79                   | 37                                    | 34                                                        | 34                                                         | 37                                                         | 39                                                          | 40                                                          | 39                                                           | 40                                                           | 39                                                      | 39                                                       |
| 337                   | 106                  | 0                    | 37                                    | 34                                                        | 34                                                         | 34                                                         | 39                                                          | 41                                                          | 41                                                           | 41                                                           | 40                                                      | 39                                                       |
| 338                   | 106                  | 21                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 339                   | 106                  | 42                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 340                   | 107                  | 3                    | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 40                                                       |
| 341                   | 107                  | 24                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 42                                                       |
| 342                   | 107                  | 46                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 343                   | 108                  | 7                    | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 40                                                       |
| 344                   | 108                  | 28                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 39                                                       |
| 345                   | 108                  | 49                   | 36                                    | 34                                                        | 34                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 40                                                       |
| 346                   | 109                  | 10                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 40                                                      | 39                                                       |
| 347                   | 109                  | 32                   | 37                                    | 34                                                        | 34                                                         | 37                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 38                                                       |
| 348                   | 109                  | 53                   | 37                                    | 34                                                        | 34                                                         | 37                                                         | 39                                                          | 40                                                          | 40                                                           | 40                                                           | 40                                                      | 39                                                       |
| 349                   | 110                  | 14                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 40                                                           | 40                                                           | 40                                                      | 40                                                       |
| 350                   | 110                  | 35                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 39                                                          | 41                                                          | 40                                                           | 41                                                           | 40                                                      | 40                                                       |
| 351                   | 110                  | 56                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 39                                                       |
| 352                   | 111                  | 17                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 40                                                       |
| 353                   | 111                  | 38                   | 37                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 40                                                       |
| 354                   | 111                  | 59                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 40                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 355                   | 112                  | 20                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 356                   | 112                  | 41                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 357                   | 113                  | 2                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 358                   | 113                  | 23                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 359                   | 113                  | 44                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 360                   | 114                  | 5                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 361                   | 114                  | 26                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 362                   | 114                  | 47                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 363                   | 115                  | 8                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 364                   | 115                  | 30                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 365                   | 115                  | 51                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 366                   | 116                  | 13                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 367                   | 116                  | 34                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 368                   | 116                  | 55                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 369                   | 117                  | 7                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 370                   | 117                  | 28                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 371                   | 117                  | 49                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 372                   | 118                  | 10                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 373                   | 118                  | 31                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 374                   | 118                  | 52                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 375                   | 119                  | 13                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 376                   | 119                  | 34                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 377                   | 119                  | 55                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 378                   | 120                  | 7                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 379                   | 120                  | 28                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 380                   | 120                  | 49                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 381                   | 121                  | 10                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 382                   | 121                  | 31                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 383                   | 121                  | 52                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 384                   | 122                  | 13                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 385                   | 122                  | 34                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 386                   | 122                  | 55                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 387                   | 123                  | 7                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 388                   | 123                  | 28                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 389                   | 123                  | 49                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 390                   | 124                  | 10                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 391                   | 124                  | 31                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 392                   | 124                  | 52                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 393                   | 125                  | 13                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 394                   | 125                  | 34                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 395                   | 125                  | 55                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 396                   | 126                  | 7                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 397                   | 126                  | 28                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 398                   | 126                  | 49                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 399                   | 127                  | 10                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 400                   | 127                  | 31                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 401                   | 127                  | 52                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 402                   | 128                  | 13                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 403                   | 128                  | 34                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 404                   | 128                  | 55                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 405                   | 129                  | 7                    | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 406                   | 129                  | 28                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 407                   | 129                  | 49                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 408                   | 130                  | 10                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 409                   | 130                  | 31                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 410                   | 130                  | 52                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 411                   | 131                  | 13                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 412                   | 131                  | 34                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 413                   | 131                  | 55                   | 34                                    | 34                                                        | 34                                                         | 34                                                         | 41                                                          | 41                                                          | 41                                                           | 41                                                           | 41                                                      | 41                                                       |

|                        |                      |                      |                                       |                                                  |                                                           |                                                           |                                                            |                                                            |                                                            |                                                            |                                                         |                                                         |
|------------------------|----------------------|----------------------|---------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 3-01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>OUT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>OUT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>OUT<br>OUTLET<br>(EXPI)<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>OUT<br>OUTLET<br>(EXPI)<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>OUT<br>OUTLET<br>STAGE<br>-47ORS<br>DEG.C | 3-12<br>DIST.<br>OUT<br>OUTLET<br>STAGE<br>-47OLS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
| 385                    | 131                  | 8                    | 41                                    | 41                                               | 41                                                        | 42                                                        | 38                                                         | 41                                                         | 43                                                         | 48                                                         | 41                                                      | 41                                                      |
| 386                    | 139                  | 49                   | 45                                    | 41                                               | 42                                                        | 44                                                        | 39                                                         | 43                                                         | 51                                                         | 49                                                         | 43                                                      | 44                                                      |
| 387                    | 140                  | 11                   | 45                                    | 41                                               | 41                                                        | 43                                                        | 38                                                         | 42                                                         | 51                                                         | 49                                                         | 42                                                      | 42                                                      |
| 388                    | 140                  | 32                   | 45                                    | 41                                               | 42                                                        | 43                                                        | 39                                                         | 42                                                         | 49                                                         | 48                                                         | 42                                                      | 42                                                      |
| 389                    | 140                  | 54                   | 45                                    | 42                                               | 42                                                        | 43                                                        | 39                                                         | 42                                                         | 49                                                         | 48                                                         | 42                                                      | 43                                                      |
| 390                    | 141                  | 16                   | 45                                    | 41                                               | 42                                                        | 44                                                        | 39                                                         | 42                                                         | 50                                                         | 49                                                         | 42                                                      | 43                                                      |
| 391                    | 146                  | 53                   | 45                                    | 42                                               | 42                                                        | 43                                                        | 39                                                         | 42                                                         | 48                                                         | 47                                                         | 42                                                      | 41                                                      |
| 392                    | 149                  | 15                   | 45                                    | 41                                               | 42                                                        | 43                                                        | 39                                                         | 42                                                         | 48                                                         | 47                                                         | 41                                                      | 41                                                      |
| 393                    | 149                  | 17                   | 45                                    | 41                                               | 42                                                        | 43                                                        | 39                                                         | 41                                                         | 48                                                         | 47                                                         | 41                                                      | 41                                                      |
| 394                    | 149                  | 58                   | 45                                    | 42                                               | 42                                                        | 43                                                        | 38                                                         | 41                                                         | 49                                                         | 47                                                         | 41                                                      | 41                                                      |
| 395                    | 150                  | 29                   | 45                                    | 42                                               | 41                                                        | 43                                                        | 38                                                         | 41                                                         | 47                                                         | 48                                                         | 42                                                      | 42                                                      |
| 396                    | 150                  | 42                   | 45                                    | 42                                               | 42                                                        | 47                                                        | 39                                                         | 41                                                         | 48                                                         | 47                                                         | 41                                                      | 42                                                      |

HH-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>WAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 39                    | 1                    | 6                    | 53                                                      | 56                                                      | 49                                                      | 47                                                       | 48                                                      | 52                                               | 47                                                     | 42                                                      | 41                                                     | 44                                                     |
| 40                    | 1                    | 26                   | 54                                                      | 56                                                      | 52                                                      | 45                                                       | 46                                                      | 51                                               | 45                                                     | 42                                                      | 41                                                     | 44                                                     |
| 41                    | 1                    | 49                   | 56                                                      | 56                                                      | 53                                                      | 45                                                       | 45                                                      | 51                                               | 45                                                     | 43                                                      | 41                                                     | 44                                                     |
| 42                    | 2                    | 11                   | 56                                                      | 55                                                      | 51                                                      | 44                                                       | 45                                                      | 51                                               | 44                                                     | 42                                                      | 42                                                     | 44                                                     |
| 43                    | 2                    | 32                   | 56                                                      | 55                                                      | 48                                                      | 44                                                       | 45                                                      | 51                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 44                    | 2                    | 56                   | 55                                                      | 55                                                      | 46                                                      | 44                                                       | 46                                                      | 51                                               | 44                                                     | 42                                                      | 42                                                     | 44                                                     |
| 45                    | 3                    | 15                   | 52                                                      | 55                                                      | 46                                                      | 45                                                       | 46                                                      | 50                                               | 45                                                     | 42                                                      | 41                                                     | 44                                                     |
| 46                    | 3                    | 37                   | 53                                                      | 55                                                      | 49                                                      | 44                                                       | 45                                                      | 50                                               | 44                                                     | 41                                                      | 41                                                     | 44                                                     |
| 47                    | 3                    | 58                   | 52                                                      | 55                                                      | 43                                                      | 44                                                       | 45                                                      | 50                                               | 44                                                     | 41                                                      | 41                                                     | 43                                                     |
| 48                    | 4                    | 20                   | 52                                                      | 57                                                      | 46                                                      | 44                                                       | 46                                                      | 50                                               | 44                                                     | 41                                                      | 40                                                     | 43                                                     |
| 49                    | 4                    | 41                   | 54                                                      | 55                                                      | 48                                                      | 44                                                       | 45                                                      | 49                                               | 44                                                     | 41                                                      | 40                                                     | 44                                                     |
| 50                    | 5                    | 2                    | 54                                                      | 56                                                      | 48                                                      | 44                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 40                                                     | 44                                                     |
| 51                    | 5                    | 24                   | 54                                                      | 56                                                      | 46                                                      | 44                                                       | 46                                                      | 49                                               | 44                                                     | 42                                                      | 40                                                     | 44                                                     |
| 52                    | 5                    | 45                   | 53                                                      | 56                                                      | 43                                                      | 44                                                       | 46                                                      | 51                                               | 45                                                     | 41                                                      | 40                                                     | 44                                                     |
| 53                    | 6                    | 7                    | 53                                                      | 56                                                      | 40                                                      | 44                                                       | 46                                                      | 50                                               | 45                                                     | 42                                                      | 40                                                     | 44                                                     |
| 54                    | 6                    | 28                   | 54                                                      | 55                                                      | 48                                                      | 45                                                       | 45                                                      | 49                                               | 45                                                     | 42                                                      | 40                                                     | 44                                                     |
| 55                    | 6                    | 50                   | 54                                                      | 55                                                      | 46                                                      | 45                                                       | 45                                                      | 50                                               | 46                                                     | 43                                                      | 41                                                     | 43                                                     |
| 56                    | 7                    | 11                   | 53                                                      | 54                                                      | 46                                                      | 45                                                       | 46                                                      | 50                                               | 45                                                     | 42                                                      | 41                                                     | 43                                                     |
| 57                    | 7                    | 53                   | 52                                                      | 55                                                      | 44                                                      | 46                                                       | 47                                                      | 50                                               | 45                                                     | 42                                                      | 41                                                     | 44                                                     |
| 58                    | 7                    | 53                   | 52                                                      | 55                                                      | 44                                                      | 46                                                       | 47                                                      | 51                                               | 45                                                     | 42                                                      | 41                                                     | 44                                                     |
| 59                    | 8                    | 11                   | 52                                                      | 55                                                      | 42                                                      | 46                                                       | 48                                                      | 51                                               | 44                                                     | 42                                                      | 42                                                     | 44                                                     |
| 60                    | 8                    | 16                   | 52                                                      | 55                                                      | 42                                                      | 46                                                       | 46                                                      | 49                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 61                    | 8                    | 57                   | 52                                                      | 54                                                      | 41                                                      | 46                                                       | 47                                                      | 50                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 62                    | 9                    | 14                   | 52                                                      | 54                                                      | 40                                                      | 44                                                       | 45                                                      | 50                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 63                    | 9                    | 23                   | 54                                                      | 54                                                      | 43                                                      | 44                                                       | 46                                                      | 50                                               | 45                                                     | 44                                                      | 42                                                     | 44                                                     |
| 64                    | 10                   | 21                   | 54                                                      | 55                                                      | 43                                                      | 44                                                       | 46                                                      | 50                                               | 46                                                     | 42                                                      | 42                                                     | 45                                                     |
| 65                    | 10                   | 42                   | 54                                                      | 55                                                      | 43                                                      | 44                                                       | 46                                                      | 49                                               | 46                                                     | 43                                                      | 41                                                     | 44                                                     |
| 66                    | 11                   | 4                    | 54                                                      | 55                                                      | 45                                                      | 44                                                       | 46                                                      | 49                                               | 45                                                     | 43                                                      | 41                                                     | 44                                                     |
| 67                    | 11                   | 4                    | 54                                                      | 55                                                      | 43                                                      | 44                                                       | 46                                                      | 49                                               | 46                                                     | 43                                                      | 42                                                     | 44                                                     |
| 68                    | 11                   | 25                   | 52                                                      | 54                                                      | 47                                                      | 45                                                       | 46                                                      | 43                                               | 46                                                     | 42                                                      | 41                                                     | 43                                                     |
| 69                    | 11                   | 44                   | 51                                                      | 54                                                      | 44                                                      | 45                                                       | 46                                                      | 49                                               | 44                                                     | 43                                                      | 42                                                     | 45                                                     |
| 70                    | 12                   | 7                    | 51                                                      | 55                                                      | 41                                                      | 45                                                       | 47                                                      | 49                                               | 44                                                     | 43                                                      | 42                                                     | 44                                                     |
| 71                    | 12                   | 45                   | 51                                                      | 54                                                      | 42                                                      | 44                                                       | 47                                                      | 50                                               | 43                                                     | 42                                                      | 41                                                     | 44                                                     |
| 72                    | 12                   | 45                   | 51                                                      | 54                                                      | 42                                                      | 44                                                       | 47                                                      | 50                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 73                    | 13                   | 10                   | 50                                                      | 52                                                      | 42                                                      | 44                                                       | 47                                                      | 49                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 74                    | 13                   | 22                   | 51                                                      | 54                                                      | 42                                                      | 43                                                       | 47                                                      | 49                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 75                    | 13                   | 22                   | 51                                                      | 53                                                      | 44                                                      | 41                                                       | 46                                                      | 49                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 76                    | 14                   | 14                   | 51                                                      | 54                                                      | 45                                                      | 41                                                       | 46                                                      | 49                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 77                    | 14                   | 25                   | 51                                                      | 54                                                      | 45                                                      | 41                                                       | 46                                                      | 48                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 78                    | 14                   | 56                   | 52                                                      | 54                                                      | 46                                                      | 42                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                     |
| 79                    | 15                   | 17                   | 52                                                      | 53                                                      | 45                                                      | 42                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 42                                                     | 43                                                     |
| 80                    | 15                   | 34                   | 50                                                      | 52                                                      | 44                                                      | 42                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 42                                                     | 43                                                     |
| 81                    | 15                   | 0                    | 49                                                      | 55                                                      | 42                                                      | 42                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 42                                                     | 45                                                     |
| 82                    | 16                   | 21                   | 47                                                      | 54                                                      | 41                                                      | 43                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 42                                                     | 45                                                     |
| 83                    | 16                   | 42                   | 47                                                      | 54                                                      | 41                                                      | 42                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 42                                                     | 45                                                     |
| 84                    | 16                   | 42                   | 50                                                      | 52                                                      | 43                                                      | 42                                                       | 45                                                      | 49                                               | 44                                                     | 42                                                      | 42                                                     | 45                                                     |

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| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FOOT<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>MAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARSO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARSO<br>AREA<br>FWD<br>MAIST<br>LEVEL<br>DEG.C | 3-23<br>CARSO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARSO<br>AREA<br>FWD<br>FOOT<br>MASS<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|
| 135                   | 35                   | *                    | 48                                                      | 50                                                     | 46                                                      | 44                                                       | 44                                                      | 46                                              | 49                                                     | 47                                                      | 46                                                     | 42                                                             |
| 136                   | 35                   | 19                   | 44                                                      | 48                                                     | 46                                                      | 43                                                       | 44                                                      | 45                                              | 45                                                     | 44                                                      | 46                                                     | 42                                                             |
| 137                   | 35                   | 40                   | 48                                                      | 48                                                     | 48                                                      | 44                                                       | 44                                                      | 45                                              | 46                                                     | 45                                                      | 46                                                     | 44                                                             |
| 138                   | 36                   | 1                    | 48                                                      | 49                                                     | 49                                                      | 45                                                       | 45                                                      | 45                                              | 44                                                     | 44                                                      | 44                                                     | 44                                                             |
| 139                   | 36                   | 22                   | 44                                                      | 48                                                     | 47                                                      | 44                                                       | 44                                                      | 46                                              | 47                                                     | 46                                                      | 46                                                     | 44                                                             |
| 140                   | 36                   | 44                   | 48                                                      | 49                                                     | 47                                                      | 45                                                       | 44                                                      | 46                                              | 41                                                     | 40                                                      | 40                                                     | 44                                                             |
| 141                   | 37                   | 5                    | 48                                                      | 49                                                     | 48                                                      | 45                                                       | 45                                                      | 46                                              | 40                                                     | 39                                                      | 40                                                     | 44                                                             |
| 142                   | 37                   | 26                   | 44                                                      | 48                                                     | 45                                                      | 45                                                       | 44                                                      | 47                                              | 41                                                     | 40                                                      | 41                                                     | 44                                                             |
| 143                   | 37                   | 47                   | 48                                                      | 48                                                     | 46                                                      | 45                                                       | 44                                                      | 45                                              | 41                                                     | 39                                                      | 41                                                     | 42                                                             |
| 144                   | 38                   | 8                    | 48                                                      | 49                                                     | 45                                                      | 45                                                       | 44                                                      | 46                                              | 40                                                     | 39                                                      | 40                                                     | 42                                                             |
| 145                   | 38                   | 29                   | 46                                                      | 46                                                     | 43                                                      | 45                                                       | 44                                                      | 44                                              | 39                                                     | 39                                                      | 39                                                     | 42                                                             |
| 146                   | 38                   | 50                   | 47                                                      | 48                                                     | 44                                                      | 45                                                       | 44                                                      | 45                                              | 39                                                     | 39                                                      | 39                                                     | 43                                                             |
| 147                   | 39                   | 11                   | 44                                                      | 48                                                     | 44                                                      | 45                                                       | 44                                                      | 46                                              | 42                                                     | 42                                                      | 41                                                     | 43                                                             |
| 148                   | 39                   | 33                   | 47                                                      | 48                                                     | 43                                                      | 44                                                       | 44                                                      | 46                                              | 40                                                     | 40                                                      | 40                                                     | 42                                                             |
| 149                   | 39                   | 54                   | 46                                                      | 46                                                     | 43                                                      | 44                                                       | 45                                                      | 45                                              | 40                                                     | 39                                                      | 39                                                     | 41                                                             |
| 150                   | 40                   | 15                   | 46                                                      | 46                                                     | 43                                                      | 44                                                       | 45                                                      | 45                                              | 40                                                     | 39                                                      | 39                                                     | 42                                                             |
| 151                   | 40                   | 36                   | 47                                                      | 48                                                     | 43                                                      | 44                                                       | 44                                                      | 45                                              | 40                                                     | 40                                                      | 40                                                     | 42                                                             |
| 152                   | 40                   | 57                   | 47                                                      | 48                                                     | 44                                                      | 44                                                       | 45                                                      | 46                                              | 40                                                     | 40                                                      | 40                                                     | 41                                                             |
| 153                   | 41                   | 18                   | 47                                                      | 47                                                     | 44                                                      | 45                                                       | 45                                                      | 45                                              | 39                                                     | 38                                                      | 39                                                     | 41                                                             |
| 154                   | 41                   | 39                   | 46                                                      | 47                                                     | 46                                                      | 43                                                       | 45                                                      | 45                                              | 39                                                     | 38                                                      | 39                                                     | 42                                                             |
| 155                   | 42                   | 0                    | 46                                                      | 46                                                     | 44                                                      | 42                                                       | 44                                                      | 45                                              | 39                                                     | 38                                                      | 39                                                     | 42                                                             |
| 156                   | 42                   | 21                   | 46                                                      | 46                                                     | 43                                                      | 42                                                       | 44                                                      | 46                                              | 39                                                     | 39                                                      | 38                                                     | 42                                                             |
| 157                   | 42                   | 43                   | 48                                                      | 48                                                     | 43                                                      | 43                                                       | 45                                                      | 45                                              | 39                                                     | 39                                                      | 38                                                     | 42                                                             |
| 158                   | 43                   | 4                    | 45                                                      | 45                                                     | 42                                                      | 44                                                       | 44                                                      | 45                                              | 40                                                     | 38                                                      | 38                                                     | 41                                                             |
| 159                   | 43                   | 25                   | 45                                                      | 48                                                     | 43                                                      | 44                                                       | 44                                                      | 45                                              | 40                                                     | 39                                                      | 38                                                     | 41                                                             |
| 160                   | 44                   | 46                   | 45                                                      | 46                                                     | 42                                                      | 43                                                       | 45                                                      | 45                                              | 39                                                     | 37                                                      | 38                                                     | 41                                                             |
| 161                   | 44                   | 7                    | 45                                                      | 48                                                     | 45                                                      | 43                                                       | 45                                                      | 45                                              | 42                                                     | 41                                                      | 42                                                     | 42                                                             |
| 162                   | 44                   | 28                   | 45                                                      | 46                                                     | 47                                                      | 43                                                       | 44                                                      | 45                                              | 42                                                     | 41                                                      | 45                                                     | 42                                                             |
| 163                   | 44                   | 49                   | 45                                                      | 47                                                     | 45                                                      | 43                                                       | 44                                                      | 45                                              | 46                                                     | 40                                                      | 40                                                     | 41                                                             |
| 164                   | 45                   | 13                   | 46                                                      | 47                                                     | 44                                                      | 43                                                       | 44                                                      | 45                                              | 41                                                     | 40                                                      | 41                                                     | 42                                                             |
| 165                   | 45                   | 31                   | 46                                                      | 47                                                     | 44                                                      | 43                                                       | 44                                                      | 46                                              | 43                                                     | 42                                                      | 41                                                     | 42                                                             |
| 166                   | 45                   | 53                   | 48                                                      | 47                                                     | 45                                                      | 44                                                       | 45                                                      | 46                                              | 41                                                     | 40                                                      | 41                                                     | 42                                                             |
| 167                   | 46                   | 14                   | 45                                                      | 47                                                     | 45                                                      | 44                                                       | 45                                                      | 46                                              | 41                                                     | 39                                                      | 41                                                     | 42                                                             |
| 168                   | 46                   | 35                   | 46                                                      | 46                                                     | 44                                                      | 44                                                       | 45                                                      | 46                                              | 41                                                     | 39                                                      | 41                                                     | 42                                                             |
| 169                   | 46                   | 56                   | 44                                                      | 47                                                     | 44                                                      | 44                                                       | 44                                                      | 45                                              | 40                                                     | 38                                                      | 38                                                     | 41                                                             |
| 170                   | 47                   | 17                   | 45                                                      | 46                                                     | 44                                                      | 44                                                       | 44                                                      | 45                                              | 38                                                     | 38                                                      | 38                                                     | 41                                                             |
| 171                   | 47                   | 38                   | 44                                                      | 46                                                     | 44                                                      | 44                                                       | 44                                                      | 45                                              | 38                                                     | 37                                                      | 38                                                     | 42                                                             |
| 172                   | 47                   | 58                   | 44                                                      | 46                                                     | 43                                                      | 44                                                       | 44                                                      | 45                                              | 38                                                     | 37                                                      | 37                                                     | 41                                                             |
| 173                   | 48                   | 1                    | 45                                                      | 45                                                     | 43                                                      | 43                                                       | 44                                                      | 45                                              | 38                                                     | 38                                                      | 37                                                     | 41                                                             |
| 174                   | 48                   | 41                   | 45                                                      | 46                                                     | 43                                                      | 43                                                       | 44                                                      | 45                                              | 38                                                     | 38                                                      | 37                                                     | 41                                                             |
| 175                   | 48                   | 3                    | 45                                                      | 46                                                     | 44                                                      | 43                                                       | 44                                                      | 45                                              | 38                                                     | 38                                                      | 37                                                     | 40                                                             |
| 176                   | 49                   | 24                   | 44                                                      | 46                                                     | 42                                                      | 43                                                       | 44                                                      | 45                                              | 38                                                     | 38                                                      | 38                                                     | 41                                                             |
| 177                   | 49                   | 45                   | 44                                                      | 46                                                     | 42                                                      | 43                                                       | 44                                                      | 45                                              | 38                                                     | 38                                                      | 38                                                     | 42                                                             |
| 178                   | 50                   | 6                    | 44                                                      | 46                                                     | 42                                                      | 42                                                       | 43                                                      | 45                                              | 38                                                     | 37                                                      | 38                                                     | 41                                                             |
| 179                   | 50                   | 27                   | 44                                                      | 46                                                     | 42                                                      | 42                                                       | 43                                                      | 44                                              | 37                                                     | 37                                                      | 37                                                     | 41                                                             |
| 180                   | 50                   | 48                   | 44                                                      | 45                                                     | 42                                                      | 43                                                       | 44                                                      | 45                                              | 37                                                     | 38                                                      | 37                                                     | 41                                                             |
| 181                   | 51                   | 7                    | 44                                                      | 45                                                     | 42                                                      | 43                                                       | 43                                                      | 45                                              | 38                                                     | 38                                                      | 37                                                     | 41                                                             |
| 182                   | 51                   | 30                   | 44                                                      | 44                                                     | 43                                                      | 42                                                       | 42                                                      | 44                                              | 38                                                     | 37                                                      | 37                                                     | 41                                                             |
| 183                   | 51                   | 52                   | 43                                                      | 45                                                     | 43                                                      | 42                                                       | 42                                                      | 44                                              | 38                                                     | 37                                                      | 37                                                     | 40                                                             |
| 184                   | 52                   | 1                    | 47                                                      | 45                                                     | 41                                                      | 42                                                       | 42                                                      | 45                                              | 38                                                     | 37                                                      | 37                                                     | 41                                                             |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-17<br>COMPLY<br>HEAD<br>LEVEL<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>MAIST<br>LEVEL<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>MAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FOOT<br>MASS<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|
| 185                   | 52                   | 34                   | 44                                               | 45                                              | 41                                               | 41                                                | 42                                                      | 45                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 186                   | 52                   | 55                   | 44                                               | 45                                              | 41                                               | 42                                                | 43                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 187                   | 53                   | 16                   | 44                                               | 45                                              | 41                                               | 41                                                | 43                                                      | 45                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 188                   | 53                   | 37                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 189                   | 53                   | 58                   | 45                                               | 45                                              | 40                                               | 40                                                | 42                                                      | 45                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 190                   | 54                   | 19                   | 44                                               | 45                                              | 41                                               | 39                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 191                   | 54                   | 40                   | 44                                               | 45                                              | 41                                               | 39                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 192                   | 55                   | 1                    | 44                                               | 45                                              | 41                                               | 40                                                | 41                                                      | 46                                              | 30                                              | 30                                               | 30                                              | 42                                                      |
| 193                   | 55                   | 22                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 194                   | 55                   | 43                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 45                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 195                   | 56                   | 4                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 196                   | 56                   | 26                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 45                                              | 30                                              | 30                                               | 30                                              | 42                                                      |
| 197                   | 56                   | 47                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 45                                              | 30                                              | 30                                               | 30                                              | 43                                                      |
| 198                   | 57                   | 8                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 43                                              | 30                                              | 30                                               | 30                                              | 39                                                      |
| 199                   | 57                   | 29                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 43                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 200                   | 57                   | 50                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 201                   | 58                   | 11                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 202                   | 58                   | 32                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 203                   | 58                   | 53                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 204                   | 59                   | 14                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 205                   | 59                   | 35                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 206                   | 59                   | 56                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 42                                                      |
| 207                   | 59                   | 17                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 208                   | 59                   | 38                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 209                   | 59                   | 59                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 210                   | 59                   | 20                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 211                   | 59                   | 42                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 212                   | 60                   | 3                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 213                   | 60                   | 24                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 214                   | 60                   | 45                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 215                   | 60                   | 6                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 216                   | 60                   | 27                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 217                   | 60                   | 48                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 218                   | 60                   | 9                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 219                   | 60                   | 30                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 220                   | 60                   | 51                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 221                   | 60                   | 13                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 222                   | 60                   | 34                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 223                   | 60                   | 55                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 224                   | 60                   | 16                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 225                   | 60                   | 37                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 226                   | 60                   | 58                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 39                                                      |
| 227                   | 60                   | 19                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 228                   | 60                   | 40                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 229                   | 60                   | 61                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 39                                                      |
| 230                   | 60                   | 2                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 231                   | 60                   | 23                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 39                                                      |
| 232                   | 60                   | 44                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 233                   | 60                   | 65                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 234                   | 60                   | 1                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 235                   | 60                   | 22                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 39                                                      |
| 236                   | 60                   | 43                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 237                   | 60                   | 64                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 41                                                      |
| 238                   | 60                   | 25                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 239                   | 60                   | 46                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 240                   | 60                   | 67                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 241                   | 60                   | 8                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 39                                                      |
| 242                   | 60                   | 29                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 243                   | 60                   | 50                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 244                   | 60                   | 71                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 245                   | 60                   | 2                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 246                   | 60                   | 23                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 247                   | 60                   | 44                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 248                   | 60                   | 65                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 249                   | 60                   | 1                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 250                   | 60                   | 22                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 251                   | 60                   | 43                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 252                   | 60                   | 64                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 253                   | 60                   | 25                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 254                   | 60                   | 46                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 255                   | 60                   | 67                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 256                   | 60                   | 8                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 257                   | 60                   | 29                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 258                   | 60                   | 50                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 259                   | 60                   | 71                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 260                   | 60                   | 2                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 261                   | 60                   | 23                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 262                   | 60                   | 44                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 263                   | 60                   | 65                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 264                   | 60                   | 1                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 265                   | 60                   | 22                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 266                   | 60                   | 43                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 267                   | 60                   | 64                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 268                   | 60                   | 25                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 269                   | 60                   | 46                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 270                   | 60                   | 67                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 271                   | 60                   | 8                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 272                   | 60                   | 29                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 273                   | 60                   | 50                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 274                   | 60                   | 71                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 275                   | 60                   | 2                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 276                   | 60                   | 23                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 277                   | 60                   | 44                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 278                   | 60                   | 65                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 279                   | 60                   | 1                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 280                   | 60                   | 22                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 281                   | 60                   | 43                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 282                   | 60                   | 64                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 283                   | 60                   | 25                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 284                   | 60                   | 46                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 285                   | 60                   | 67                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 286                   | 60                   | 8                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 287                   | 60                   | 29                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 288                   | 60                   | 50                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 289                   | 60                   | 71                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 290                   | 60                   | 2                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 291                   | 60                   | 23                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 292                   | 60                   | 44                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 293                   | 60                   | 65                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 294                   | 60                   | 1                    | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 295                   | 60                   | 22                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 296                   | 60                   | 43                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 297                   | 60                   | 64                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 298                   | 60                   | 25                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 299                   | 60                   | 46                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |
| 300                   | 60                   | 67                   | 44                                               | 45                                              | 41                                               | 40                                                | 42                                                      | 44                                              | 30                                              | 30                                               | 30                                              | 40                                                      |

| -01<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-17<br>CO-PILOT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PILOT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PILOT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PILOT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>WAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FLOOR<br>MASS<br>LEVEL<br>DEG.C |
|--------------|----------------------|----------------------|---------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------|
| 235          | 70                   | 29                   | 43                                                      | 43                                               | 41                                                        | 40                                                         | 41                                                        | 43                                                 | 38                                                     | 38                                                      | 38                                                     | 39                                                              |
| 236          | 70                   | 29                   | 42                                                      | 44                                               | 40                                                        | 40                                                         | 42                                                        | 43                                                 | 39                                                     | 38                                                      | 38                                                     | 40                                                              |
| 237          | 70                   | 50                   | 43                                                      | 42                                               | 40                                                        | 41                                                         | 42                                                        | 42                                                 | 39                                                     | 39                                                      | 39                                                     | 41                                                              |
| 238          | 71                   | 11                   | 43                                                      | 44                                               | 41                                                        | 40                                                         | 43                                                        | 44                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 239          | 71                   | 32                   | 42                                                      | 44                                               | 40                                                        | 41                                                         | 43                                                        | 44                                                 | 39                                                     | 38                                                      | 39                                                     | 40                                                              |
| 240          | 71                   | 57                   | 43                                                      | 44                                               | 40                                                        | 40                                                         | 43                                                        | 44                                                 | 39                                                     | 38                                                      | 39                                                     | 41                                                              |
| 241          | 72                   | 14                   | 42                                                      | 44                                               | 40                                                        | 40                                                         | 42                                                        | 44                                                 | 38                                                     | 38                                                      | 39                                                     | 39                                                              |
| 242          | 72                   | 35                   | 43                                                      | 45                                               | 41                                                        | 41                                                         | 42                                                        | 43                                                 | 38                                                     | 38                                                      | 39                                                     | 39                                                              |
| 243          | 72                   | 56                   | 43                                                      | 44                                               | 42                                                        | 41                                                         | 42                                                        | 43                                                 | 38                                                     | 38                                                      | 39                                                     | 39                                                              |
| 244          | 73                   | 17                   | 43                                                      | 44                                               | 42                                                        | 41                                                         | 42                                                        | 43                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 245          | 73                   | 38                   | 43                                                      | 44                                               | 42                                                        | 41                                                         | 42                                                        | 43                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 246          | 73                   | 59                   | 43                                                      | 44                                               | 42                                                        | 41                                                         | 42                                                        | 43                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 247          | 74                   | 20                   | 42                                                      | 44                                               | 42                                                        | 41                                                         | 42                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 248          | 74                   | 41                   | 42                                                      | 44                                               | 41                                                        | 41                                                         | 42                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 249          | 75                   | 2                    | 42                                                      | 44                                               | 41                                                        | 41                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 250          | 75                   | 23                   | 42                                                      | 44                                               | 41                                                        | 41                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 251          | 75                   | 44                   | 42                                                      | 44                                               | 41                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 252          | 76                   | 6                    | 42                                                      | 44                                               | 41                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 253          | 76                   | 27                   | 43                                                      | 44                                               | 41                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 254          | 76                   | 48                   | 42                                                      | 44                                               | 42                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 255          | 77                   | 9                    | 43                                                      | 44                                               | 41                                                        | 40                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 256          | 77                   | 30                   | 43                                                      | 44                                               | 41                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 257          | 77                   | 51                   | 42                                                      | 44                                               | 40                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 258          | 78                   | 12                   | 42                                                      | 43                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 259          | 78                   | 33                   | 42                                                      | 43                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 260          | 78                   | 55                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 261          | 79                   | 16                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 262          | 79                   | 37                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 263          | 79                   | 58                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 264          | 80                   | 19                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 265          | 80                   | 40                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 266          | 81                   | 1                    | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 267          | 81                   | 23                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 268          | 81                   | 44                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 269          | 82                   | 5                    | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 270          | 82                   | 26                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 271          | 82                   | 47                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 272          | 83                   | 8                    | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 273          | 83                   | 29                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 274          | 83                   | 50                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 275          | 84                   | 11                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 276          | 84                   | 32                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 277          | 84                   | 53                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 278          | 85                   | 14                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 279          | 85                   | 35                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 280          | 85                   | 56                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 281          | 86                   | 17                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 282          | 86                   | 38                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 283          | 86                   | 59                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |
| 284          | 87                   | 20                   | 42                                                      | 44                                               | 39                                                        | 39                                                         | 41                                                        | 42                                                 | 38                                                     | 38                                                      | 39                                                     | 40                                                              |

| 3-01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FOOT<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PI<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PI<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PI<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PI<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>HEAD<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FOOT<br>MASS<br>DEG.C |
|------------------------|----------------------|----------------------|--------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------------|
| 285                    | 67                   | 42                   | 41                                               | 42                                                     | 40                                                     | 39                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 37                                              | 39                                             |
| 286                    | 68                   | 24                   | 41                                               | 42                                                     | 39                                                     | 39                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 37                                              | 39                                             |
| 287                    | 68                   | 24                   | 41                                               | 42                                                     | 39                                                     | 39                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 39                                             |
| 288                    | 68                   | 45                   | 41                                               | 42                                                     | 40                                                     | 41                                                     | 41                                                     | 43                                             | 36                                              | 37                                              | 38                                              | 40                                             |
| 289                    | 69                   | 6                    | 41                                               | 42                                                     | 39                                                     | 39                                                     | 41                                                     | 43                                             | 36                                              | 37                                              | 37                                              | 39                                             |
| 290                    | 69                   | 27                   | 41                                               | 42                                                     | 39                                                     | 39                                                     | 41                                                     | 42                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 291                    | 69                   | 49                   | 41                                               | 42                                                     | 39                                                     | 39                                                     | 40                                                     | 42                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 292                    | 90                   | 10                   | 41                                               | 42                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 38                                              | 36                                              | 37                                              | 39                                             |
| 293                    | 90                   | 31                   | 41                                               | 41                                                     | 38                                                     | 38                                                     | 41                                                     | 41                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 294                    | 90                   | 52                   | 41                                               | 41                                                     | 39                                                     | 38                                                     | 40                                                     | 41                                             | 36                                              | 36                                              | 38                                              | 38                                             |
| 295                    | 91                   | 13                   | 41                                               | 42                                                     | 39                                                     | 38                                                     | 40                                                     | 42                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 296                    | 91                   | 34                   | 41                                               | 42                                                     | 38                                                     | 38                                                     | 40                                                     | 42                                             | 38                                              | 38                                              | 38                                              | 39                                             |
| 297                    | 91                   | 55                   | 41                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 42                                             | 38                                              | 37                                              | 38                                              | 39                                             |
| 298                    | 92                   | 17                   | 41                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 299                    | 92                   | 38                   | 40                                               | 41                                                     | 38                                                     | 38                                                     | 40                                                     | 42                                             | 37                                              | 36                                              | 37                                              | 39                                             |
| 300                    | 92                   | 59                   | 41                                               | 42                                                     | 39                                                     | 38                                                     | 40                                                     | 41                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 301                    | 93                   | 20                   | 40                                               | 42                                                     | 39                                                     | 38                                                     | 40                                                     | 41                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 302                    | 93                   | 41                   | 40                                               | 42                                                     | 39                                                     | 38                                                     | 40                                                     | 41                                             | 37                                              | 36                                              | 37                                              | 39                                             |
| 303                    | 94                   | 2                    | 41                                               | 41                                                     | 39                                                     | 39                                                     | 41                                                     | 41                                             | 37                                              | 37                                              | 37                                              | 40                                             |
| 304                    | 94                   | 23                   | 41                                               | 41                                                     | 39                                                     | 39                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 37                                              | 39                                             |
| 305                    | 94                   | 45                   | 41                                               | 42                                                     | 39                                                     | 39                                                     | 40                                                     | 42                                             | 38                                              | 37                                              | 37                                              | 39                                             |
| 306                    | 95                   | 6                    | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 37                                              | 36                                              | 36                                              | 39                                             |
| 307                    | 95                   | 27                   | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 42                                             | 37                                              | 36                                              | 37                                              | 39                                             |
| 308                    | 95                   | 48                   | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 309                    | 95                   | 69                   | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 37                                              | 37                                              | 37                                              | 39                                             |
| 310                    | 96                   | 30                   | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 36                                              | 37                                              | 37                                              | 39                                             |
| 311                    | 96                   | 51                   | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 36                                              | 37                                              | 37                                              | 39                                             |
| 312                    | 97                   | 13                   | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 41                                             | 36                                              | 37                                              | 37                                              | 39                                             |
| 313                    | 97                   | 34                   | 40                                               | 41                                                     | 39                                                     | 39                                                     | 40                                                     | 42                                             | 36                                              | 36                                              | 36                                              | 39                                             |
| 314                    | 97                   | 55                   | 41                                               | 41                                                     | 39                                                     | 39                                                     | 41                                                     | 42                                             | 36                                              | 36                                              | 36                                              | 39                                             |
| 315                    | 98                   | 16                   | 41                                               | 41                                                     | 40                                                     | 42                                                     | 41                                                     | 42                                             | 40                                              | 39                                              | 39                                              | 40                                             |
| 316                    | 98                   | 37                   | 41                                               | 41                                                     | 40                                                     | 42                                                     | 41                                                     | 42                                             | 41                                              | 40                                              | 40                                              | 40                                             |
| 317                    | 98                   | 58                   | 41                                               | 42                                                     | 40                                                     | 41                                                     | 42                                                     | 43                                             | 41                                              | 40                                              | 40                                              | 41                                             |
| 318                    | 99                   | 19                   | 41                                               | 41                                                     | 41                                                     | 42                                                     | 41                                                     | 42                                             | 41                                              | 41                                              | 41                                              | 41                                             |
| 319                    | 99                   | 40                   | 41                                               | 41                                                     | 41                                                     | 42                                                     | 41                                                     | 42                                             | 41                                              | 41                                              | 41                                              | 41                                             |
| 320                    | 100                  | 1                    | 41                                               | 42                                                     | 42                                                     | 42                                                     | 41                                                     | 43                                             | 41                                              | 41                                              | 41                                              | 41                                             |
| 321                    | 100                  | 22                   | 41                                               | 42                                                     | 42                                                     | 42                                                     | 42                                                     | 43                                             | 41                                              | 41                                              | 41                                              | 41                                             |
| 322                    | 100                  | 43                   | 41                                               | 42                                                     | 42                                                     | 42                                                     | 42                                                     | 43                                             | 42                                              | 42                                              | 42                                              | 41                                             |
| 323                    | 101                  | 4                    | 41                                               | 42                                                     | 42                                                     | 42                                                     | 42                                                     | 43                                             | 42                                              | 41                                              | 41                                              | 41                                             |
| 324                    | 101                  | 25                   | 41                                               | 42                                                     | 42                                                     | 42                                                     | 41                                                     | 43                                             | 41                                              | 41                                              | 41                                              | 41                                             |
| 325                    | 101                  | 46                   | 41                                               | 42                                                     | 42                                                     | 42                                                     | 42                                                     | 43                                             | 41                                              | 41                                              | 41                                              | 41                                             |
| 326                    | 101                  | 7                    | 41                                               | 41                                                     | 41                                                     | 42                                                     | 41                                                     | 42                                             | 41                                              | 41                                              | 41                                              | 40                                             |
| 327                    | 102                  | 28                   | 41                                               | 42                                                     | 42                                                     | 41                                                     | 41                                                     | 42                                             | 38                                              | 38                                              | 37                                              | 41                                             |
| 328                    | 102                  | 49                   | 40                                               | 42                                                     | 42                                                     | 41                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 37                                              | 40                                             |
| 329                    | 102                  | 70                   | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 330                    | 103                  | 1                    | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 331                    | 103                  | 22                   | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 332                    | 103                  | 43                   | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 333                    | 103                  | 64                   | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 334                    | 104                  | 85                   | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 335                    | 104                  | 106                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 336                    | 104                  | 127                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 337                    | 104                  | 148                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 338                    | 104                  | 169                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 339                    | 104                  | 190                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 340                    | 104                  | 211                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 341                    | 104                  | 232                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 342                    | 104                  | 253                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 343                    | 104                  | 274                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 344                    | 104                  | 295                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 345                    | 104                  | 316                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 346                    | 104                  | 337                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 347                    | 104                  | 358                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 348                    | 104                  | 379                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 349                    | 104                  | 400                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |
| 350                    | 104                  | 421                  | 40                                               | 42                                                     | 42                                                     | 40                                                     | 41                                                     | 42                                             | 38                                              | 37                                              | 36                                              | 40                                             |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>MAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>MAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|--------------------------------------------------------|
| 335                   | 105                  | 17                   | 40                                                      | 42                                                      | 39                                               | 40                                                       | 41                                                      | 43                                               | 37                                                     | 38                                               | 37                                              | 41                                                     |
| 336                   | 105                  | 39                   | 39                                                      | 42                                                      | 39                                               | 39                                                       | 41                                                      | 42                                               | 37                                                     | 38                                               | 37                                              | 40                                                     |
| 337                   | 106                  | 0                    | 40                                                      | 41                                                      | 39                                               | 39                                                       | 41                                                      | 42                                               | 37                                                     | 38                                               | 37                                              | 40                                                     |
| 338                   | 106                  | 21                   | 41                                                      | 41                                                      | 40                                               | 40                                                       | 41                                                      | 44                                               | 38                                                     | 38                                               | 38                                              | 41                                                     |
| 339                   | 106                  | 42                   | 41                                                      | 41                                                      | 41                                               | 40                                                       | 41                                                      | 42                                               | 38                                                     | 38                                               | 37                                              | 39                                                     |
| 340                   | 107                  | 3                    | 41                                                      | 41                                                      | 39                                               | 39                                                       | 41                                                      | 42                                               | 38                                                     | 38                                               | 36                                              | 41                                                     |
| 341                   | 107                  | 24                   | 41                                                      | 41                                                      | 39                                               | 39                                                       | 41                                                      | 41                                               | 38                                                     | 38                                               | 36                                              | 41                                                     |
| 342                   | 107                  | 46                   | 41                                                      | 41                                                      | 39                                               | 40                                                       | 41                                                      | 41                                               | 38                                                     | 38                                               | 38                                              | 41                                                     |
| 343                   | 108                  | 7                    | 41                                                      | 41                                                      | 40                                               | 40                                                       | 41                                                      | 42                                               | 38                                                     | 38                                               | 38                                              | 40                                                     |
| 344                   | 108                  | 28                   | 40                                                      | 42                                                      | 39                                               | 40                                                       | 41                                                      | 42                                               | 38                                                     | 38                                               | 38                                              | 40                                                     |
| 345                   | 108                  | 49                   | 40                                                      | 41                                                      | 39                                               | 39                                                       | 40                                                      | 42                                               | 37                                                     | 37                                               | 38                                              | 39                                                     |
| 346                   | 109                  | 10                   | 41                                                      | 42                                                      | 39                                               | 40                                                       | 40                                                      | 41                                               | 37                                                     | 37                                               | 38                                              | 39                                                     |
| 347                   | 109                  | 32                   | 40                                                      | 42                                                      | 38                                               | 40                                                       | 40                                                      | 42                                               | 37                                                     | 37                                               | 38                                              | 40                                                     |
| 348                   | 109                  | 53                   | 40                                                      | 42                                                      | 39                                               | 39                                                       | 40                                                      | 41                                               | 37                                                     | 37                                               | 38                                              | 40                                                     |
| 349                   | 110                  | 14                   | 40                                                      | 41                                                      | 39                                               | 39                                                       | 41                                                      | 42                                               | 38                                                     | 38                                               | 39                                              | 40                                                     |
| 350                   | 110                  | 35                   | 41                                                      | 41                                                      | 39                                               | 39                                                       | 40                                                      | 42                                               | 37                                                     | 37                                               | 37                                              | 39                                                     |
| 351                   | 110                  | 56                   | 41                                                      | 42                                                      | 39                                               | 39                                                       | 41                                                      | 42                                               | 37                                                     | 37                                               | 38                                              | 40                                                     |
| 352                   | 111                  | 17                   | 41                                                      | 42                                                      | 39                                               | 40                                                       | 41                                                      | 41                                               | 38                                                     | 38                                               | 38                                              | 39                                                     |
| 353                   | 111                  | 38                   | 41                                                      | 41                                                      | 39                                               | 40                                                       | 41                                                      | 42                                               | 38                                                     | 38                                               | 39                                              | 41                                                     |
| 354                   | 111                  | 59                   | 41                                                      | 42                                                      | 39                                               | 40                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 39                                              | 41                                                     |
| 355                   | 112                  | 20                   | 41                                                      | 42                                                      | 40                                               | 40                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 39                                              | 40                                                     |
| 356                   | 112                  | 41                   | 42                                                      | 42                                                      | 41                                               | 40                                                       | 42                                                      | 42                                               | 39                                                     | 39                                               | 39                                              | 40                                                     |
| 357                   | 113                  | 2                    | 41                                                      | 42                                                      | 40                                               | 40                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 39                                              | 40                                                     |
| 358                   | 113                  | 23                   | 41                                                      | 42                                                      | 41                                               | 41                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 41                                              | 41                                                     |
| 359                   | 113                  | 44                   | 41                                                      | 41                                                      | 41                                               | 41                                                       | 42                                                      | 42                                               | 39                                                     | 39                                               | 41                                              | 41                                                     |
| 360                   | 114                  | 5                    | 41                                                      | 42                                                      | 41                                               | 41                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 40                                              | 40                                                     |
| 361                   | 114                  | 26                   | 41                                                      | 43                                                      | 41                                               | 41                                                       | 42                                                      | 42                                               | 39                                                     | 39                                               | 41                                              | 41                                                     |
| 362                   | 114                  | 47                   | 41                                                      | 42                                                      | 41                                               | 41                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 40                                              | 41                                                     |
| 363                   | 115                  | 8                    | 41                                                      | 43                                                      | 41                                               | 41                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 41                                              | 41                                                     |
| 364                   | 115                  | 30                   | 41                                                      | 43                                                      | 41                                               | 41                                                       | 41                                                      | 42                                               | 39                                                     | 39                                               | 41                                              | 41                                                     |
| 365                   | 115                  | 51                   | 41                                                      | 43                                                      | 41                                               | 41                                                       | 41                                                      | 42                                               | 40                                                     | 40                                               | 42                                              | 41                                                     |
| 366                   | 116                  | 17                   | 42                                                      | 44                                                      | 40                                               | 40                                                       | 42                                                      | 42                                               | 40                                                     | 40                                               | 42                                              | 41                                                     |
| 367                   | 116                  | 34                   | 42                                                      | 43                                                      | 40                                               | 40                                                       | 42                                                      | 42                                               | 40                                                     | 40                                               | 42                                              | 41                                                     |
| 368                   | 116                  | 59                   | 41                                                      | 42                                                      | 41                                               | 41                                                       | 42                                                      | 42                                               | 40                                                     | 40                                               | 41                                              | 40                                                     |
| 369                   | 117                  | 9                    | 41                                                      | 42                                                      | 41                                               | 41                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 42                                              | 40                                                     |
| 370                   | 117                  | 43                   | 41                                                      | 43                                                      | 41                                               | 40                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 42                                              | 40                                                     |
| 371                   | 117                  | 58                   | 41                                                      | 43                                                      | 39                                               | 40                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 41                                              | 39                                                     |
| 372                   | 118                  | 7                    | 41                                                      | 42                                                      | 38                                               | 40                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 41                                              | 41                                                     |
| 373                   | 118                  | 23                   | 41                                                      | 42                                                      | 34                                               | 39                                                       | 41                                                      | 41                                               | 41                                                     | 39                                               | 41                                              | 40                                                     |
| 374                   | 118                  | 46                   | 42                                                      | 43                                                      | 33                                               | 39                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 42                                              | 40                                                     |
| 375                   | 118                  | 10                   | 42                                                      | 43                                                      | 38                                               | 40                                                       | 41                                                      | 41                                               | 40                                                     | 40                                               | 43                                              | 40                                                     |
| 376                   | 118                  | 31                   | 42                                                      | 42                                                      | 38                                               | 40                                                       | 42                                                      | 41                                               | 40                                                     | 40                                               | 43                                              | 40                                                     |
| 377                   | 119                  | 9                    | 41                                                      | 43                                                      | 39                                               | 39                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 45                                              | 41                                                     |
| 378                   | 119                  | 34                   | 42                                                      | 43                                                      | 38                                               | 40                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 45                                              | 41                                                     |
| 379                   | 119                  | 56                   | 42                                                      | 43                                                      | 38                                               | 40                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 45                                              | 41                                                     |
| 380                   | 120                  | 17                   | 42                                                      | 43                                                      | 38                                               | 40                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 45                                              | 41                                                     |
| 381                   | 120                  | 39                   | 42                                                      | 43                                                      | 38                                               | 40                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 45                                              | 41                                                     |
| 382                   | 120                  | 58                   | 42                                                      | 43                                                      | 39                                               | 39                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 45                                              | 41                                                     |
| 383                   | 120                  | 18                   | 42                                                      | 43                                                      | 39                                               | 39                                                       | 41                                                      | 41                                               | 41                                                     | 40                                               | 45                                              | 41                                                     |
| 384                   | 120                  | 42                   | 42                                                      | 44                                                      | 39                                               | 40                                                       | 41                                                      | 41                                               | 42                                                     | 41                                               | 45                                              | 41                                                     |
| 385                   | 120                  | 59                   | 43                                                      | 45                                                      | 38                                               | 39                                                       | 41                                                      | 41                                               | 42                                                     | 41                                               | 46                                              | 42                                                     |
| 386                   | 121                  | 4                    | 44                                                      | 45                                                      | 34                                               | 39                                                       | 41                                                      | 41                                               | 42                                                     | 41                                               | 46                                              | 42                                                     |
| 387                   | 121                  | 26                   | 44                                                      | 45                                                      | 34                                               | 39                                                       | 41                                                      | 41                                               | 42                                                     | 41                                               | 46                                              | 42                                                     |
| 388                   | 121                  | 47                   | 44                                                      | 45                                                      | 34                                               | 39                                                       | 41                                                      | 41                                               | 42                                                     | 41                                               | 46                                              | 42                                                     |
| 389                   | 121                  | 59                   | 44                                                      | 45                                                      | 34                                               | 39                                                       | 41                                                      | 41                                               | 42                                                     | 41                                               | 46                                              | 42                                                     |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>WAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 385                   | 131                  | 8                    | 44                                                      | 45                                                      | 38                                                      | 39                                                       | 41                                                      | 41                                               | 41                                                     | 41                                                      | 47                                                     | 42                                                     |
| 386                   | 133                  | 49                   | 45                                                      | 45                                                      | 39                                                      | 40                                                       | 43                                                      | 43                                               | 44                                                     | 43                                                      | 46                                                     | 44                                                     |
| 387                   | 139                  | 11                   | 45                                                      | 46                                                      | 38                                                      | 39                                                       | 43                                                      | 42                                               | 43                                                     | 43                                                      | 46                                                     | 44                                                     |
| 388                   | 140                  | 32                   | 45                                                      | 47                                                      | 39                                                      | 40                                                       | 43                                                      | 42                                               | 43                                                     | 42                                                      | 47                                                     | 44                                                     |
| 389                   | 140                  | 54                   | 46                                                      | 47                                                      | 39                                                      | 40                                                       | 43                                                      | 42                                               | 42                                                     | 43                                                      | 48                                                     | 44                                                     |
| 390                   | 141                  | 16                   | 46                                                      | 47                                                      | 39                                                      | 41                                                       | 43                                                      | 42                                               | 42                                                     | 42                                                      | 48                                                     | 44                                                     |
| 391                   | 148                  | 53                   | 45                                                      | 48                                                      | 36                                                      | 41                                                       | 43                                                      | 43                                               | 40                                                     | 42                                                      | 48                                                     | 46                                                     |
| 392                   | 149                  | 15                   | 45                                                      | 47                                                      | 39                                                      | 41                                                       | 43                                                      | 43                                               | 41                                                     | 42                                                      | 48                                                     | 45                                                     |
| 393                   | 149                  | 37                   | 45                                                      | 48                                                      | 39                                                      | 41                                                       | 44                                                      | 43                                               | 41                                                     | 41                                                      | 47                                                     | 45                                                     |
| 394                   | 149                  | 58                   | 45                                                      | 48                                                      | 38                                                      | 40                                                       | 44                                                      | 42                                               | 41                                                     | 42                                                      | 48                                                     | 45                                                     |
| 395                   | 150                  | 20                   | 45                                                      | 47                                                      | 39                                                      | 40                                                       | 43                                                      | 42                                               | 42                                                     | 43                                                      | 48                                                     | 45                                                     |
| 396                   | 150                  | 42                   | 45                                                      | 48                                                      | 39                                                      | 41                                                       | 42                                                      | 42                                               | 42                                                     | 42                                                      | 47                                                     | 45                                                     |

HM-57C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 34                    | 1                    | 6                    | 43                                                     | 43                                                      | 41                                                     | 42                                                     |
| 43                    | 1                    | 28                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 41                    | 1                    | 41                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 42                    | 2                    | 11                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 43                    | 2                    | 32                   | 39                                                     | 39                                                      | 40                                                     | 42                                                     |
| 44                    | 2                    | 54                   | 41                                                     | 40                                                      | 39                                                     | 42                                                     |
| 45                    | 3                    | 15                   | 42                                                     | 41                                                      | 40                                                     | 42                                                     |
| 46                    | 3                    | 37                   | 42                                                     | 42                                                      | *                                                      | *                                                      |
| 47                    | 3                    | 58                   | 43                                                     | 42                                                      | 41                                                     | 42                                                     |
| 48                    | 4                    | 20                   | 43                                                     | 42                                                      | 41                                                     | 42                                                     |
| 49                    | 4                    | 41                   | 41                                                     | 42                                                      | 41                                                     | 42                                                     |
| 50                    | 5                    | 2                    | 42                                                     | 41                                                      | 40                                                     | 41                                                     |
| 51                    | 5                    | 24                   | 43                                                     | 42                                                      | 41                                                     | 42                                                     |
| 52                    | 5                    | 45                   | 43                                                     | 42                                                      | 41                                                     | 42                                                     |
| 53                    | 6                    | 7                    | 43                                                     | 42                                                      | 41                                                     | 42                                                     |
| 54                    | 6                    | 28                   | 43                                                     | 42                                                      | 41                                                     | 42                                                     |
| 55                    | 6                    | 50                   | 43                                                     | 43                                                      | 41                                                     | 42                                                     |
| 56                    | 7                    | 11                   | 43                                                     | 44                                                      | 42                                                     | 42                                                     |
| 57                    | *                    | 13                   | 43                                                     | 44                                                      | 42                                                     | 42                                                     |
| 58                    | 7                    | 53                   | 46                                                     | 44                                                      | 42                                                     | 42                                                     |
| 59                    | 8                    | 13                   | 46                                                     | 44                                                      | 42                                                     | 42                                                     |
| 60                    | 8                    | 36                   | 46                                                     | 45                                                      | 42                                                     | 42                                                     |
| 61                    | 8                    | 57                   | 46                                                     | 45                                                      | 42                                                     | 42                                                     |
| 62                    | 9                    | 11                   | 43                                                     | 44                                                      | 42                                                     | 42                                                     |
| 63                    | 9                    | 30                   | 43                                                     | 44                                                      | *                                                      | *                                                      |
| 64                    | 10                   | 0                    | 44                                                     | 44                                                      | 42                                                     | 42                                                     |
| 65                    | 10                   | 21                   | 44                                                     | 44                                                      | 42                                                     | 42                                                     |
| 66                    | 10                   | 42                   | 45                                                     | 45                                                      | 42                                                     | 42                                                     |
| 67                    | 11                   | 4                    | 46                                                     | 46                                                      | 42                                                     | 42                                                     |
| 68                    | 11                   | 25                   | 45                                                     | 46                                                      | 42                                                     | 42                                                     |
| 69                    | 11                   | 46                   | 46                                                     | 46                                                      | 42                                                     | 42                                                     |
| 70                    | 12                   | 7                    | 46                                                     | 46                                                      | 42                                                     | 42                                                     |
| 71                    | *                    | *                    | 45                                                     | 45                                                      | 42                                                     | 42                                                     |
| 72                    | 12                   | 49                   | 45                                                     | 44                                                      | 42                                                     | 42                                                     |
| 73                    | 12                   | 10                   | 45                                                     | 44                                                      | 42                                                     | 42                                                     |
| 74                    | 13                   | 32                   | 45                                                     | 44                                                      | 42                                                     | 42                                                     |
| 75                    | 13                   | 53                   | 46                                                     | 46                                                      | 42                                                     | 42                                                     |
| 76                    | 14                   | 14                   | 44                                                     | 43                                                      | 42                                                     | 42                                                     |
| 77                    | 14                   | 35                   | 42                                                     | 42                                                      | 41                                                     | 42                                                     |
| 78                    | 15                   | 56                   | 42                                                     | 42                                                      | 41                                                     | 42                                                     |
| 79                    | 15                   | 17                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 80                    | 15                   | 34                   | 43                                                     | 42                                                      | 42                                                     | 42                                                     |
| 81                    | 16                   | 1                    | 44                                                     | 42                                                      | 42                                                     | 42                                                     |
| 82                    | 16                   | 21                   | 45                                                     | 44                                                      | 42                                                     | 42                                                     |
| 83                    | 16                   | 40                   | 45                                                     | 44                                                      | *                                                      | *                                                      |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FOOT<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| 84                    | 17                   | 3                    | 46                                                     | 45                                                      | 42                                                     | 42                                                    |
| 85                    | 17                   | 24                   | 46                                                     | 45                                                      | 43                                                     | 42                                                    |
| 86                    | 17                   | 45                   | 46                                                     | 45                                                      | 43                                                     | 44                                                    |
| 87                    | 18                   | 6                    | 46                                                     | 45                                                      | 43                                                     | 43                                                    |
| 88                    | 18                   | 28                   | 46                                                     | 45                                                      | 43                                                     | 42                                                    |
| 89                    | 18                   | 49                   | 45                                                     | 44                                                      | 43                                                     | 42                                                    |
| 90                    | 19                   | 10                   | 42                                                     | 42                                                      | 42                                                     | 42                                                    |
| 91                    | 19                   | 31                   | 42                                                     | 42                                                      | 42                                                     | 42                                                    |
| 92                    | 19                   | 52                   | 41                                                     | 42                                                      | 41                                                     | 42                                                    |
| 93                    | 20                   | 13                   | -1                                                     | 42                                                      | 41                                                     | 43                                                    |
| 94                    | 20                   | 34                   | 41                                                     | 41                                                      | 42                                                     | 43                                                    |
| 95                    | 20                   | 55                   | 41                                                     | 41                                                      | 41                                                     | 44                                                    |
| 96                    | 21                   | 16                   | -1                                                     | 41                                                      | 41                                                     | 42                                                    |
| 97                    | 21                   | 37                   | 41                                                     | 41                                                      | 41                                                     | 42                                                    |
| 98                    | 21                   | 58                   | 42                                                     | 41                                                      | 41                                                     | 42                                                    |
| 99                    | 22                   | 40                   | 41                                                     | 41                                                      | 41                                                     | 42                                                    |
| 100                   | 22                   | 1                    | 41                                                     | 42                                                      | 41                                                     | 42                                                    |
| 101                   | 23                   | 22                   | 41                                                     | 41                                                      | 41                                                     | -2                                                    |
| 102                   | 23                   | 43                   | 41                                                     | 42                                                      | 41                                                     | -2                                                    |
| 103                   | 24                   | 4                    | 42                                                     | 41                                                      | 42                                                     | 42                                                    |
| 104                   | 24                   | 25                   | 41                                                     | 41                                                      | 41                                                     | 42                                                    |
| 105                   | 24                   | 46                   | 41                                                     | 41                                                      | 41                                                     | 41                                                    |
| 106                   | 25                   | 7                    | 41                                                     | 41                                                      | 41                                                     | 41                                                    |
| 107                   | 25                   | 29                   | 41                                                     | 41                                                      | 41                                                     | 41                                                    |
| 108                   | 25                   | 49                   | 41                                                     | 41                                                      | 42                                                     | 41                                                    |
| 109                   | 26                   | 10                   | 43                                                     | 43                                                      | 42                                                     | 41                                                    |
| 110                   | 26                   | 31                   | 43                                                     | 43                                                      | 45                                                     | 42                                                    |
| 111                   | 26                   | 52                   | 43                                                     | 43                                                      | 44                                                     | 42                                                    |
| 112                   | 27                   | 11                   | 43                                                     | 43                                                      | 43                                                     | 43                                                    |
| 113                   | 27                   | 34                   | 43                                                     | 43                                                      | 43                                                     | 43                                                    |
| 114                   | 27                   | 55                   | 43                                                     | 46                                                      | 45                                                     | 43                                                    |
| 115                   | 28                   | 16                   | 43                                                     | 46                                                      | 44                                                     | 42                                                    |
| 116                   | 28                   | 37                   | 44                                                     | 44                                                      | 42                                                     | 44                                                    |
| 117                   | 28                   | 58                   | 43                                                     | 43                                                      | 42                                                     | 44                                                    |
| 118                   | 29                   | 19                   | 43                                                     | 42                                                      | 42                                                     | 43                                                    |
| 119                   | 29                   | 40                   | 42                                                     | 42                                                      | 41                                                     | 43                                                    |
| 120                   | 29                   | 62                   | 42                                                     | 42                                                      | 41                                                     | 44                                                    |
| 121                   | 30                   | 2                    | 42                                                     | 43                                                      | 41                                                     | 45                                                    |
| 122                   | 30                   | 23                   | 42                                                     | 43                                                      | 41                                                     | 45                                                    |
| 123                   | 31                   | 44                   | 42                                                     | 43                                                      | 41                                                     | 44                                                    |
| 124                   | 31                   | 65                   | 42                                                     | 43                                                      | 42                                                     | 43                                                    |
| 125                   | 32                   | 26                   | 43                                                     | 43                                                      | 41                                                     | 45                                                    |
| 126                   | 32                   | 47                   | 43                                                     | 43                                                      | 41                                                     | 44                                                    |
| 127                   | 32                   | 68                   | 42                                                     | 43                                                      | 41                                                     | 44                                                    |
| 128                   | 33                   | 9                    | 42                                                     | 43                                                      | 41                                                     | 45                                                    |
| 129                   | 33                   | 30                   | 42                                                     | 43                                                      | 41                                                     | 45                                                    |
| 130                   | 33                   | 51                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 131                   | 34                   | 12                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 132                   | 34                   | 33                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 133                   | 34                   | 54                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 134                   | 35                   | 15                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 135                   | 35                   | 36                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 136                   | 35                   | 57                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 137                   | 36                   | 18                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 138                   | 36                   | 39                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |
| 139                   | 36                   | 60                   | 42                                                     | 42                                                      | 41                                                     | 45                                                    |



198

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARPO<br>AREA<br>AFT<br>WEID<br>LEVEL<br>DEG.C | 3-26<br>CARPO<br>AREA<br>AFT<br>WEID<br>LEVEL<br>DEG.C | 3-27<br>CARPO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARPO<br>AREA<br>AFT<br>FOOT<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| 135                   | 35                   | 19                   | 48                                                     | 45                                                     | 44                                                     | 46                                                    |
| 136                   | 35                   | 19                   | 46                                                     | 45                                                     | 44                                                     | 45                                                    |
| 137                   | 35                   | 40                   | 47                                                     | 46                                                     | 44                                                     | 45                                                    |
| 138                   | 36                   | 1                    | 46                                                     | 45                                                     | 44                                                     | 46                                                    |
| 139                   | 36                   | 22                   | 46                                                     | 46                                                     | 45                                                     | 46                                                    |
| 140                   | 36                   | 44                   | 45                                                     | 44                                                     | 43                                                     | 46                                                    |
| 141                   | 37                   | 5                    | 44                                                     | 44                                                     | 43                                                     | 46                                                    |
| 142                   | 37                   | 26                   | 44                                                     | 44                                                     | 42                                                     | 47                                                    |
| 143                   | 37                   | 47                   | 43                                                     | 44                                                     | 42                                                     | 46                                                    |
| 144                   | 38                   | 6                    | 44                                                     | 44                                                     | 42                                                     | 47                                                    |
| 145                   | 38                   | 29                   | 43                                                     | 44                                                     | 42                                                     | 47                                                    |
| 146                   | 38                   | 50                   | 44                                                     | 44                                                     | 41                                                     | 48                                                    |
| 147                   | 38                   | 11                   | 44                                                     | 44                                                     | 42                                                     | 48                                                    |
| 148                   | 39                   | 33                   | 44                                                     | 44                                                     | 42                                                     | 48                                                    |
| 149                   | 39                   | 54                   | 42                                                     | 42                                                     | 42                                                     | 48                                                    |
| 150                   | 40                   | 15                   | 42                                                     | 43                                                     | 41                                                     | 48                                                    |
| 151                   | 40                   | 36                   | 42                                                     | 42                                                     | 41                                                     | 48                                                    |
| 152                   | 40                   | 57                   | 42                                                     | 42                                                     | 42                                                     | 47                                                    |
| 153                   | 41                   | 18                   | 43                                                     | 42                                                     | 41                                                     | 48                                                    |
| 154                   | 41                   | 39                   | 42                                                     | 43                                                     | 42                                                     | 48                                                    |
| 155                   | 42                   | 0                    | 43                                                     | 42                                                     | 41                                                     | 48                                                    |
| 156                   | 42                   | 21                   | 42                                                     | 42                                                     | 42                                                     | 48                                                    |
| 157                   | 42                   | 43                   | 42                                                     | 41                                                     | 41                                                     | 48                                                    |
| 158                   | 43                   | 4                    | 42                                                     | 41                                                     | 41                                                     | 48                                                    |
| 159                   | 43                   | 25                   | 43                                                     | 42                                                     | 42                                                     | 48                                                    |
| 160                   | 43                   | 46                   | 41                                                     | 41                                                     | 42                                                     | 48                                                    |
| 161                   | 44                   | 7                    | 44                                                     | 44                                                     | 42                                                     | 48                                                    |
| 162                   | 44                   | 28                   | 44                                                     | 45                                                     | 42                                                     | 48                                                    |
| 163                   | 44                   | 48                   | 46                                                     | 46                                                     | 42                                                     | 48                                                    |
| 164                   | 45                   | 10                   | 46                                                     | 46                                                     | 42                                                     | 48                                                    |
| 165                   | 45                   | 31                   | 46                                                     | 46                                                     | 42                                                     | 48                                                    |
| 166                   | 46                   | 46                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 167                   | 46                   | 14                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 168                   | 46                   | 39                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 169                   | 46                   | 56                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 170                   | 47                   | 17                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 171                   | 47                   | 34                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 172                   | 47                   | 59                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 173                   | 48                   | 1                    | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 174                   | 48                   | 40                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 175                   | 48                   | 5                    | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 176                   | 48                   | 24                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 177                   | 48                   | 46                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 178                   | 48                   | 6                    | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 179                   | 48                   | 27                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 180                   | 48                   | 48                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 181                   | 48                   | 51                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 182                   | 48                   | 51                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 183                   | 48                   | 52                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |
| 184                   | 48                   | 53                   | 47                                                     | 47                                                     | 42                                                     | 48                                                    |

| 3-01<br>WECP<br>DUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FOOT<br>MASS<br>LEVEL<br>DEG.C |
|----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|
| 185                  | 52                   | 34                   | 42                                                     | 42                                                      | 41                                                     | 48                                                             |
| 186                  | 52                   | 35                   | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 187                  | 53                   | 36                   | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 188                  | 53                   | 37                   | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 189                  | 53                   | 38                   | 41                                                     | 40                                                      | 40                                                     | 48                                                             |
| 190                  | 54                   | 39                   | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 191                  | 54                   | 40                   | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 192                  | 55                   | 1                    | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 193                  | 55                   | 2                    | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 194                  | 55                   | 3                    | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 195                  | 55                   | 4                    | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 196                  | 56                   | 5                    | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 197                  | 56                   | 6                    | 41                                                     | 40                                                      | 41                                                     | 48                                                             |
| 198                  | 57                   | 7                    | 41                                                     | 42                                                      | 41                                                     | 48                                                             |
| 199                  | 57                   | 8                    | 41                                                     | 42                                                      | 41                                                     | 48                                                             |
| 200                  | 57                   | 9                    | 41                                                     | 40                                                      | 41                                                     | 48                                                             |
| 201                  | 58                   | 10                   | 41                                                     | 41                                                      | 41                                                     | 48                                                             |
| 202                  | 58                   | 11                   | 41                                                     | 40                                                      | 41                                                     | 48                                                             |
| 203                  | 58                   | 12                   | 44                                                     | 42                                                      | 42                                                     | 48                                                             |
| 204                  | 59                   | 13                   | 45                                                     | 42                                                      | 42                                                     | 48                                                             |
| 205                  | 59                   | 14                   | 45                                                     | 42                                                      | 42                                                     | 48                                                             |
| 206                  | 59                   | 15                   | 45                                                     | 41                                                      | 42                                                     | 48                                                             |
| 207                  | 59                   | 16                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 208                  | 59                   | 17                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 209                  | 59                   | 18                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 210                  | 59                   | 19                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 211                  | 59                   | 20                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 212                  | 59                   | 21                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 213                  | 59                   | 22                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 214                  | 59                   | 23                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 215                  | 59                   | 24                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 216                  | 59                   | 25                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 217                  | 59                   | 26                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 218                  | 59                   | 27                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 219                  | 59                   | 28                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 220                  | 59                   | 29                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 221                  | 59                   | 30                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 222                  | 59                   | 31                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 223                  | 59                   | 32                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 224                  | 59                   | 33                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 225                  | 59                   | 34                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 226                  | 59                   | 35                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 227                  | 59                   | 36                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 228                  | 59                   | 37                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 229                  | 59                   | 38                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 230                  | 59                   | 39                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 231                  | 59                   | 40                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 232                  | 59                   | 41                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 233                  | 59                   | 42                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |
| 234                  | 59                   | 43                   | 45                                                     | 41                                                      | 41                                                     | 48                                                             |

| -01<br>SHEEP<br>COUNT | 3-12<br>TIME<br>MIN. | 3-13<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FOOT<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| 236                   | 70                   | 8                    | 40                                                     | 39                                                      | 40                                                     | 50                                                    |
| 237                   | 70                   | 29                   | 40                                                     | 40                                                      | 41                                                     | 50                                                    |
| 238                   | 70                   | 50                   | 41                                                     | 41                                                      | 41                                                     | 50                                                    |
| 239                   | 71                   | 11                   | 41                                                     | 41                                                      | 41                                                     | 49                                                    |
| 240                   | 71                   | 32                   | 40                                                     | 40                                                      | 40                                                     | 51                                                    |
| 241                   | 71                   | 53                   | 39                                                     | 39                                                      | 41                                                     | 49                                                    |
| 242                   | 72                   | 14                   | 39                                                     | 39                                                      | 39                                                     | 49                                                    |
| 243                   | 72                   | 35                   | 40                                                     | 39                                                      | 40                                                     | 50                                                    |
| 244                   | 72                   | 56                   | 41                                                     | 39                                                      | 40                                                     | 50                                                    |
| 245                   | 73                   | 17                   | 41                                                     | 40                                                      | 40                                                     | 49                                                    |
| 246                   | 73                   | 38                   | 40                                                     | 39                                                      | 40                                                     | 48                                                    |
| 247                   | 73                   | 59                   | 42                                                     | 40                                                      | 40                                                     | 48                                                    |
| 248                   | 74                   | 20                   | 41                                                     | 40                                                      | 40                                                     | 48                                                    |
| 249                   | 74                   | 41                   | 40                                                     | 40                                                      | 40                                                     | 48                                                    |
| 250                   | 75                   | 2                    | 40                                                     | 41                                                      | 39                                                     | 48                                                    |
| 251                   | 75                   | 23                   | 41                                                     | 42                                                      | 40                                                     | 48                                                    |
| 252                   | 75                   | 44                   | 41                                                     | 41                                                      | 41                                                     | 48                                                    |
| 253                   | 76                   | 6                    | 41                                                     | 41                                                      | 41                                                     | 48                                                    |
| 254                   | 76                   | 27                   | 41                                                     | 41                                                      | 41                                                     | 48                                                    |
| 255                   | 77                   | 9                    | 41                                                     | 40                                                      | 41                                                     | 48                                                    |
| 256                   | 77                   | 30                   | 40                                                     | 40                                                      | 40                                                     | 48                                                    |
| 257                   | 77                   | 51                   | 40                                                     | 40                                                      | 40                                                     | 48                                                    |
| 258                   | 78                   | 12                   | 41                                                     | 40                                                      | 40                                                     | 48                                                    |
| 259                   | 78                   | 33                   | 41                                                     | 40                                                      | 39                                                     | 48                                                    |
| 260                   | 79                   | 55                   | 40                                                     | 41                                                      | 40                                                     | 48                                                    |
| 261                   | 79                   | 16                   | 41                                                     | 41                                                      | 40                                                     | 48                                                    |
| 262                   | 79                   | 37                   | 41                                                     | 41                                                      | 40                                                     | 48                                                    |
| 263                   | 79                   | 59                   | 41                                                     | 41                                                      | 40                                                     | 48                                                    |
| 264                   | 80                   | 13                   | 40                                                     | 41                                                      | 40                                                     | 48                                                    |
| 265                   | 80                   | 40                   | 40                                                     | 41                                                      | 40                                                     | 48                                                    |
| 266                   | 81                   | 1                    | 40                                                     | 41                                                      | 39                                                     | 48                                                    |
| 267                   | 81                   | 23                   | 40                                                     | 41                                                      | 40                                                     | 48                                                    |
| 268                   | 81                   | 46                   | 41                                                     | 41                                                      | 40                                                     | 48                                                    |
| 269                   | 81                   | 5                    | 41                                                     | 41                                                      | 40                                                     | 48                                                    |
| 270                   | 81                   | 26                   | 41                                                     | 41                                                      | 40                                                     | 48                                                    |
| 271                   | 82                   | 47                   | 41                                                     | 41                                                      | 40                                                     | 48                                                    |
| 272                   | 83                   | 8                    | 41                                                     | 40                                                      | 41                                                     | 49                                                    |
| 273                   | 83                   | 29                   | 41                                                     | 40                                                      | 40                                                     | 49                                                    |
| 274                   | 83                   | 50                   | 41                                                     | 42                                                      | 41                                                     | 49                                                    |
| 275                   | 84                   | 11                   | 41                                                     | 41                                                      | 41                                                     | 49                                                    |
| 276                   | 84                   | 32                   | 41                                                     | 41                                                      | 41                                                     | 49                                                    |
| 277                   | 84                   | 53                   | 41                                                     | 42                                                      | 41                                                     | 49                                                    |
| 278                   | 85                   | 14                   | 42                                                     | 42                                                      | 41                                                     | 49                                                    |
| 279                   | 85                   | 35                   | 42                                                     | 41                                                      | 41                                                     | 49                                                    |
| 280                   | 85                   | 56                   | 40                                                     | 40                                                      | 39                                                     | 48                                                    |
| 281                   | 86                   | 17                   | 41                                                     | 40                                                      | 39                                                     | 48                                                    |
| 282                   | 86                   | 38                   | 41                                                     | 40                                                      | 40                                                     | 48                                                    |
| 283                   | 87                   | 59                   | 40                                                     | 39                                                      | 39                                                     | 48                                                    |
| 284                   | 87                   | 20                   | 40                                                     | 39                                                      | 39                                                     | 48                                                    |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25          |                               |    | 3-26          |                                |    | 3-27          |                               |    | 3-28          |                              |  |
|-----------------------|----------------------|----------------------|---------------|-------------------------------|----|---------------|--------------------------------|----|---------------|-------------------------------|----|---------------|------------------------------|--|
|                       |                      |                      | CARGO<br>AREA | AFT<br>HEAD<br>LEVEL<br>DEG.C |    | CARGO<br>AREA | AFT<br>WAIST<br>LEVEL<br>DEG.C |    | CARGO<br>AREA | AFT<br>FOOT<br>LEVEL<br>DEG.C |    | CARGO<br>AREA | AFT<br>FOOT<br>MASS<br>DEG.C |  |
| 285                   | 87                   | 42                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 286                   | 88                   | 3                    | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 287                   | 88                   | 24                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 288                   | 88                   | 45                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 289                   | 89                   | 6                    | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 290                   | 89                   | 27                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 291                   | 89                   | 49                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 292                   | 90                   | 10                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 293                   | 90                   | 31                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 294                   | 90                   | 52                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 295                   | 91                   | 13                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 296                   | 91                   | 34                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 297                   | 91                   | 55                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 298                   | 92                   | 17                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 299                   | 92                   | 38                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 300                   | 92                   | 59                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 301                   | 93                   | 20                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 302                   | 93                   | 41                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 303                   | 94                   | 2                    | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 304                   | 94                   | 23                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 305                   | 94                   | 45                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 306                   | 95                   | 6                    | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 307                   | 95                   | 27                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 308                   | 95                   | 44                   | 39            | 39                            | 39 | 39            | 39                             | 39 | 39            | 39                            | 39 | 39            | 39                           |  |
| 309                   | 96                   | 0                    | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 310                   | 96                   | 30                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 311                   | 97                   | 51                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 312                   | 97                   | 13                   | 40            | 40                            | 40 | 40            | 40                             | 40 | 40            | 40                            | 40 | 40            | 40                           |  |
| 313                   | 97                   | 34                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 314                   | 97                   | 56                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 315                   | 98                   | 16                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 316                   | 98                   | 37                   | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 317                   | 98                   | 58                   | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 318                   | 99                   | 19                   | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 319                   | 99                   | 40                   | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 320                   | 100                  | 1                    | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 321                   | 100                  | 22                   | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 322                   | 102                  | 47                   | 44            | 44                            | 44 | 44            | 44                             | 44 | 44            | 44                            | 44 | 44            | 44                           |  |
| 323                   | 101                  | 6                    | 44            | 44                            | 44 | 44            | 44                             | 44 | 44            | 44                            | 44 | 44            | 44                           |  |
| 324                   | 101                  | 25                   | 44            | 44                            | 44 | 44            | 44                             | 44 | 44            | 44                            | 44 | 44            | 44                           |  |
| 325                   | 101                  | 46                   | 43            | 43                            | 43 | 43            | 43                             | 43 | 43            | 43                            | 43 | 43            | 43                           |  |
| 326                   | 102                  | 7                    | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 327                   | 102                  | 28                   | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 328                   | 103                  | 49                   | 42            | 42                            | 42 | 42            | 42                             | 42 | 42            | 42                            | 42 | 42            | 42                           |  |
| 329                   | 103                  | 10                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 330                   | 103                  | 32                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 331                   | 103                  | 53                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 332                   | 104                  | 14                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 333                   | 104                  | 35                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |
| 334                   | 104                  | 56                   | 41            | 41                            | 41 | 41            | 41                             | 41 | 41            | 41                            | 41 | 41            | 41                           |  |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>DETO<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>MASS<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 335                   | 105                  | 17                   | 40                                                     | 41                                                      | 43                                                     | 48                                                     |
| 336                   | 105                  | 39                   | 41                                                     | 40                                                      | 43                                                     | 49                                                     |
| 337                   | 106                  | 0                    | 41                                                     | 40                                                      | 43                                                     | 49                                                     |
| 338                   | 106                  | 21                   | 42                                                     | 42                                                      | 41                                                     | 50                                                     |
| 339                   | 106                  | 42                   | 42                                                     | 41                                                      | 41                                                     | 49                                                     |
| 340                   | 107                  | 3                    | 42                                                     | 41                                                      | 41                                                     | 49                                                     |
| 341                   | 107                  | 24                   | 42                                                     | 41                                                      | 41                                                     | 49                                                     |
| 342                   | 107                  | 46                   | 41                                                     | 43                                                      | 41                                                     | 49                                                     |
| 343                   | 108                  | 7                    | 41                                                     | 41                                                      | 41                                                     | 49                                                     |
| 344                   | 108                  | 28                   | 41                                                     | 41                                                      | 41                                                     | 49                                                     |
| 345                   | 108                  | 49                   | 40                                                     | 40                                                      | 40                                                     | 49                                                     |
| 346                   | 109                  | 10                   | 41                                                     | 40                                                      | 39                                                     | 49                                                     |
| 347                   | 109                  | 32                   | 40                                                     | 39                                                      | 40                                                     | 48                                                     |
| 348                   | 109                  | 53                   | 40                                                     | 41                                                      | 43                                                     | 49                                                     |
| 349                   | 110                  | 14                   | 41                                                     | 41                                                      | 40                                                     | 48                                                     |
| 350                   | 110                  | 35                   | 41                                                     | 41                                                      | 40                                                     | 48                                                     |
| 351                   | 110                  | 56                   | 40                                                     | 41                                                      | 41                                                     | 48                                                     |
| 352                   | 111                  | 17                   | 41                                                     | 39                                                      | 40                                                     | 48                                                     |
| 353                   | 111                  | 38                   | 41                                                     | 41                                                      | 41                                                     | 49                                                     |
| 354                   | 111                  | 59                   | 42                                                     | 41                                                      | 41                                                     | 48                                                     |
| 355                   | 112                  | 20                   | 41                                                     | 41                                                      | 41                                                     | 49                                                     |
| 356                   | 112                  | 41                   | 42                                                     | 41                                                      | 41                                                     | 49                                                     |
| 357                   | 113                  | 2                    | 42                                                     | 41                                                      | 41                                                     | 48                                                     |
| 358                   | 113                  | 23                   | 42                                                     | 46                                                      | 42                                                     | 48                                                     |
| 359                   | 113                  | 44                   | 43                                                     | 42                                                      | 42                                                     | 48                                                     |
| 360                   | 114                  | 5                    | 42                                                     | 42                                                      | 42                                                     | 48                                                     |
| 361                   | 114                  | 26                   | 41                                                     | 41                                                      | 41                                                     | 48                                                     |
| 362                   | 114                  | 47                   | 41                                                     | 42                                                      | 41                                                     | 48                                                     |
| 363                   | 115                  | 8                    | 41                                                     | 41                                                      | 41                                                     | 48                                                     |
| 364                   | 115                  | 30                   | 42                                                     | 41                                                      | 41                                                     | 48                                                     |
| 365                   | 115                  | 51                   | 42                                                     | 41                                                      | 41                                                     | 48                                                     |
| 366                   | 116                  | 17                   | 42                                                     | 42                                                      | 41                                                     | 48                                                     |
| 367                   | 116                  | 34                   | 42                                                     | 42                                                      | 41                                                     | 48                                                     |
| 368                   | 119                  | 9                    | 44                                                     | 42                                                      | 41                                                     | 48                                                     |
| 369                   | 119                  | 43                   | 44                                                     | 42                                                      | 42                                                     | 48                                                     |
| 370                   | 120                  | 6                    | 44                                                     | 42                                                      | 41                                                     | 48                                                     |
| 371                   | 120                  | 22                   | 44                                                     | 42                                                      | 42                                                     | 48                                                     |
| 372                   | 121                  | 48                   | 44                                                     | 42                                                      | 42                                                     | 48                                                     |
| 373                   | 121                  | 10                   | 44                                                     | 42                                                      | 42                                                     | 48                                                     |
| 374                   | 121                  | 31                   | 44                                                     | 42                                                      | 42                                                     | 48                                                     |
| 375                   | 123                  | 3                    | 45                                                     | 42                                                      | 42                                                     | 48                                                     |
| 376                   | 123                  | 74                   | 45                                                     | 42                                                      | 42                                                     | 48                                                     |
| 377                   | 123                  | 56                   | 45                                                     | 42                                                      | 42                                                     | 48                                                     |
| 378                   | 124                  | 17                   | 46                                                     | 42                                                      | 42                                                     | 48                                                     |
| 379                   | 124                  | 39                   | 46                                                     | 42                                                      | 42                                                     | 48                                                     |
| 380                   | 129                  | 18                   | 46                                                     | 42                                                      | 42                                                     | 48                                                     |
| 381                   | 129                  | 42                   | 46                                                     | 42                                                      | 42                                                     | 48                                                     |
| 382                   | 130                  | 4                    | 46                                                     | 42                                                      | 42                                                     | 48                                                     |
| 383                   | 130                  | 25                   | 46                                                     | 42                                                      | 42                                                     | 48                                                     |
| 384                   | 130                  | 47                   | 46                                                     | 42                                                      | 42                                                     | 48                                                     |

|                       |                      |                      |                                                        |                                                         |                                                        |                                                        |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFI<br>HOLD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFI<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFI<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFI<br>FLOOR<br>MASS<br>DEG.C |
| 385                   | 131                  | 8                    | 46                                                     | 42                                                      | 42                                                     | 44                                                     |
| 386                   | 139                  | 49                   | 46                                                     | 42                                                      | 42                                                     | 43                                                     |
| 387                   | 140                  | 11                   | 46                                                     | 43                                                      | 42                                                     | 43                                                     |
| 388                   | 140                  | 32                   | 46                                                     | 42                                                      | 43                                                     | 44                                                     |
| 389                   | 140                  | 54                   | 46                                                     | 43                                                      | 42                                                     | 43                                                     |
| 390                   | 141                  | 16                   | 46                                                     | 42                                                      | 42                                                     | 43                                                     |
| 391                   | 140                  | 53                   | 45                                                     | 42                                                      | 41                                                     | 43                                                     |
| 392                   | 149                  | 15                   | 45                                                     | 41                                                      | 41                                                     | 43                                                     |
| 393                   | 149                  | 37                   | 45                                                     | 42                                                      | 42                                                     | 42                                                     |
| 394                   | 149                  | 50                   | 45                                                     | 42                                                      | 41                                                     | 42                                                     |
| 395                   | 150                  | 20                   | 45                                                     | 43                                                      | 42                                                     | 43                                                     |
| 396                   | 150                  | 42                   | 45                                                     | 42                                                      | 41                                                     | 43                                                     |

MM-51C S/N 60-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-04<br>CO-PLY<br>INSIDE<br>CENTER<br>DEG.C | 4-05<br>CO-PLY<br>WINDSH<br>UPPER<br>R H<br>DEG.C | 4-06<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>ART<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>ART<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>COLL.<br>/YAW<br>CHAM<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|
| 33                    | 1                    | 9                    | 51                                          | 49                                                | 50                                                            | 65                                                            | 50                                                            | 39                                                       | 40                                                        | 41                                                        | 42                                                       | 39                                                        | 44                                                                 |
| 40                    | 1                    | 52                   | 51                                          | 49                                                | 52                                                            | 64                                                            | 52                                                            | 39                                                       | 41                                                        | 41                                                        | 42                                                       | 39                                                        | 44                                                                 |
| 41                    | 2                    | 13                   | 51                                          | 50                                                | 52                                                            | 64                                                            | 54                                                            | 40                                                       | 41                                                        | 41                                                        | 42                                                       | 40                                                        | 44                                                                 |
| 42                    | 2                    | 35                   | 51                                          | 51                                                | 54                                                            | 64                                                            | 54                                                            | 39                                                       | 41                                                        | 41                                                        | 42                                                       | 40                                                        | 44                                                                 |
| 43                    | 2                    | 56                   | 49                                          | 49                                                | 49                                                            | 62                                                            | 49                                                            | 39                                                       | 41                                                        | 41                                                        | 42                                                       | 39                                                        | 44                                                                 |
| 44                    | 3                    | 16                   | 48                                          | 47                                                | 46                                                            | 59                                                            | 46                                                            | 40                                                       | 40                                                        | 41                                                        | 42                                                       | 40                                                        | 44                                                                 |
| 45                    | 3                    | 39                   | 48                                          | 48                                                | 48                                                            | 60                                                            | 48                                                            | 39                                                       | 41                                                        | 41                                                        | 42                                                       | 40                                                        | 44                                                                 |
| 46                    | 3                    | 1                    | 48                                          | 47                                                | 46                                                            | 59                                                            | 46                                                            | 39                                                       | 40                                                        | 41                                                        | 45                                                       | 47                                                        | 44                                                                 |
| 47                    | 4                    | 22                   | 47                                          | 46                                                | 47                                                            | 57                                                            | 47                                                            | 39                                                       | 40                                                        | 41                                                        | 47                                                       | 47                                                        | 44                                                                 |
| 48                    | 4                    | 6                    | 47                                          | 46                                                | 49                                                            | 57                                                            | 49                                                            | 40                                                       | 41                                                        | 41                                                        | 47                                                       | 52                                                        | 45                                                                 |
| 49                    | 4                    | 5                    | 49                                          | 48                                                | 49                                                            | 59                                                            | 49                                                            | 40                                                       | 41                                                        | 41                                                        | 50                                                       | 53                                                        | 45                                                                 |
| 50                    | 5                    | 26                   | 49                                          | 48                                                | 49                                                            | 60                                                            | 49                                                            | 39                                                       | 40                                                        | 41                                                        | 54                                                       | 58                                                        | 44                                                                 |
| 51                    | 5                    | 40                   | 49                                          | 48                                                | 49                                                            | 59                                                            | 48                                                            | 39                                                       | 40                                                        | 41                                                        | 56                                                       | 61                                                        | 44                                                                 |
| 52                    | 5                    | 9                    | 49                                          | 48                                                | 50                                                            | 59                                                            | 50                                                            | 39                                                       | 40                                                        | 41                                                        | 56                                                       | 84                                                        | 44                                                                 |
| 53                    | 5                    | 31                   | 49                                          | 48                                                | 50                                                            | 59                                                            | 50                                                            | 40                                                       | 40                                                        | 41                                                        | 61                                                       | 66                                                        | 44                                                                 |
| 54                    | 6                    | 52                   | 49                                          | 48                                                | 52                                                            | 61                                                            | 52                                                            | 39                                                       | 40                                                        | 41                                                        | 63                                                       | 68                                                        | 44                                                                 |
| 55                    | 6                    | 14                   | 49                                          | 48                                                | 48                                                            | 59                                                            | 48                                                            | 41                                                       | 41                                                        | 42                                                        | 65                                                       | 72                                                        | 45                                                                 |
| 56                    | 7                    | 35                   | 49                                          | 48                                                | 48                                                            | 58                                                            | 48                                                            | 41                                                       | 41                                                        | 42                                                        | 65                                                       | 74                                                        | 45                                                                 |
| 57                    | 7                    | 56                   | 49                                          | 46                                                | 49                                                            | 57                                                            | 49                                                            | 42                                                       | 42                                                        | 42                                                        | 69                                                       | 76                                                        | 46                                                                 |
| 58                    | 7                    | 17                   | 49                                          | 46                                                | 49                                                            | 57                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 72                                                       | 78                                                        | 46                                                                 |
| 59                    | 8                    | 38                   | 49                                          | 46                                                | 49                                                            | 57                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 74                                                       | 79                                                        | 46                                                                 |
| 60                    | 8                    | 58                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 79                                                        | 46                                                                 |
| 61                    | 8                    | 20                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 62                    | 9                    | 41                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 63                    | 9                    | 10                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 64                    | 10                   | 24                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 65                    | 10                   | 45                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 66                    | 11                   | 27                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 67                    | 11                   | 48                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 68                    | 11                   | 40                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 69                    | 11                   | 9                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 70                    | 12                   | 31                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 71                    | 12                   | 52                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 72                    | 12                   | 13                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 73                    | 13                   | 34                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 74                    | 13                   | 55                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 75                    | 13                   | 16                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 76                    | 14                   | 30                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 77                    | 14                   | 59                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 78                    | 14                   | 20                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 79                    | 15                   | 41                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 80                    | 15                   | 2                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 81                    | 15                   | 23                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 82                    | 16                   | 44                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 83                    | 16                   | 5                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 84                    | 16                   | 26                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 85                    | 16                   | 47                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 86                    | 16                   | 8                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 87                    | 16                   | 29                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 88                    | 16                   | 50                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 89                    | 16                   | 1                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 90                    | 16                   | 32                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 91                    | 16                   | 53                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 92                    | 16                   | 14                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 93                    | 16                   | 35                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 94                    | 16                   | 56                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 95                    | 16                   | 17                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 96                    | 16                   | 38                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 97                    | 16                   | 59                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 98                    | 16                   | 20                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 99                    | 16                   | 41                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 100                   | 16                   | 2                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 101                   | 16                   | 23                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 102                   | 16                   | 44                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 103                   | 16                   | 5                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 104                   | 16                   | 26                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 105                   | 16                   | 47                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 106                   | 16                   | 8                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 107                   | 16                   | 29                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 108                   | 16                   | 50                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 109                   | 16                   | 1                    | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 110                   | 16                   | 32                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |
| 111                   | 16                   | 53                   | 49                                          | 46                                                | 49                                                            | 56                                                            | 49                                                            | 41                                                       | 42                                                        | 42                                                        | 75                                                       | 82                                                        | 47                                                                 |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-06<br>CO-PLT<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPPER C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>PUMP<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>PUMP<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>ICOLL<br>SERVO<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|
| 84                    | 17                   | 5                    | 46                                                          | 46                                                          | 54                                                            | 46                                                              | 44                                                       | 48                                                        | 44                                                         | 97                                                       | 102                                                        | 101                                                         |
| 85                    | 17                   | 27                   | 46                                                          | 46                                                          | 54                                                            | 46                                                              | 44                                                       | 48                                                        | 44                                                         | 97                                                       | 102                                                        | 101                                                         |
| 86                    | 17                   | 48                   | 46                                                          | 46                                                          | 54                                                            | 47                                                              | 44                                                       | 48                                                        | 44                                                         | 97                                                       | 102                                                        | 102                                                         |
| 87                    | 18                   | 9                    | 47                                                          | 47                                                          | 55                                                            | 48                                                              | 45                                                       | 45                                                        | 45                                                         | 98                                                       | 104                                                        | 104                                                         |
| 88                    | 18                   | 30                   | 47                                                          | 48                                                          | 56                                                            | 48                                                              | 45                                                       | 45                                                        | 45                                                         | 98                                                       | 104                                                        | 104                                                         |
| 89                    | 18                   | 47                   | 47                                                          | 48                                                          | 56                                                            | 48                                                              | 45                                                       | 45                                                        | 45                                                         | 98                                                       | 104                                                        | 104                                                         |
| 90                    | 19                   | 12                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 45                                                       | 45                                                        | 45                                                         | 99                                                       | 103                                                        | 103                                                         |
| 91                    | 19                   | 33                   | 46                                                          | 46                                                          | 54                                                            | 46                                                              | 44                                                       | 44                                                        | 44                                                         | 99                                                       | 103                                                        | 103                                                         |
| 92                    | 19                   | 47                   | 46                                                          | 46                                                          | 54                                                            | 47                                                              | 44                                                       | 44                                                        | 44                                                         | 99                                                       | 103                                                        | 103                                                         |
| 93                    | 20                   | 12                   | 45                                                          | 45                                                          | 55                                                            | 45                                                              | 45                                                       | 45                                                        | 45                                                         | 99                                                       | 103                                                        | 103                                                         |
| 94                    | 20                   | 37                   | 45                                                          | 45                                                          | 56                                                            | 46                                                              | 45                                                       | 45                                                        | 45                                                         | 99                                                       | 103                                                        | 103                                                         |
| 95                    | 21                   | 6                    | 45                                                          | 45                                                          | 54                                                            | 44                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 96                    | 21                   | 18                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 97                    | 21                   | 39                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 98                    | 22                   | 0                    | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 99                    | 22                   | 42                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 100                   | 22                   | 23                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 101                   | 23                   | 3                    | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 102                   | 23                   | 24                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 103                   | 24                   | 45                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 104                   | 24                   | 27                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 105                   | 24                   | 48                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 106                   | 24                   | 9                    | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 107                   | 25                   | 30                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 108                   | 25                   | 51                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 109                   | 26                   | 12                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 110                   | 26                   | 33                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 111                   | 26                   | 54                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 112                   | 27                   | 15                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 113                   | 27                   | 36                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 114                   | 27                   | 57                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 115                   | 28                   | 18                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 116                   | 28                   | 40                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 117                   | 28                   | 60                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 118                   | 29                   | 1                    | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 119                   | 29                   | 22                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 120                   | 29                   | 43                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 121                   | 30                   | 4                    | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 122                   | 30                   | 25                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 123                   | 30                   | 46                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 124                   | 31                   | 7                    | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 125                   | 31                   | 29                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 126                   | 31                   | 50                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 127                   | 32                   | 11                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 128                   | 32                   | 32                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 129                   | 32                   | 53                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 130                   | 33                   | 14                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 131                   | 33                   | 35                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 132                   | 33                   | 56                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 133                   | 34                   | 17                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |
| 134                   | 34                   | 38                   | 45                                                          | 45                                                          | 54                                                            | 45                                                              | 44                                                       | 44                                                        | 44                                                         | 100                                                      | 104                                                        | 104                                                         |



| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLY<br>WINDSHO<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLY<br>WINDSHO<br>INSIDE<br>UPPER<br>P.H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSHO<br>INSIDE<br>LMR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSHO<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>APT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>APT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFES 1<br>(COLL.<br>HYD IN<br>TEMP<br>CHANI<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------|
| 135                   | 35                   | 0                    | 50                                                              | 48                                                           | 52                                                             | 48                                                             | 92                                                       | 102                                                       | 80                                                        | 104                                                      | 109                                                       | 108                                                                    |
| 136                   | 35                   | 21                   | 50                                                              | 49                                                           | 52                                                             | 48                                                             | 92                                                       | 103                                                       | 81                                                        | 105                                                      | 109                                                       | 108                                                                    |
| 137                   | 35                   | 42                   | 49                                                              | 47                                                           | 52                                                             | 48                                                             | 93                                                       | 103                                                       | 81                                                        | 105                                                      | 109                                                       | 108                                                                    |
| 138                   | 36                   | 4                    | 50                                                              | 48                                                           | 54                                                             | 48                                                             | 93                                                       | 104                                                       | 82                                                        | 104                                                      | 109                                                       | 109                                                                    |
| 139                   | 36                   | 22                   | 50                                                              | 48                                                           | 51                                                             | 48                                                             | 94                                                       | 105                                                       | 83                                                        | 105                                                      | 110                                                       | 109                                                                    |
| 140                   | 36                   | 46                   | 49                                                              | 46                                                           | 51                                                             | 46                                                             | 94                                                       | 105                                                       | 82                                                        | 105                                                      | 110                                                       | 110                                                                    |
| 141                   | 37                   | 7                    | 49                                                              | 47                                                           | 51                                                             | 46                                                             | 95                                                       | 105                                                       | 83                                                        | 106                                                      | 109                                                       | 109                                                                    |
| 142                   | 37                   | 28                   | 50                                                              | 47                                                           | 51                                                             | 45                                                             | 96                                                       | 105                                                       | 83                                                        | 107                                                      | 109                                                       | 110                                                                    |
| 143                   | 37                   | 49                   | 49                                                              | 46                                                           | 51                                                             | 46                                                             | 95                                                       | 106                                                       | 81                                                        | 106                                                      | 110                                                       | 110                                                                    |
| 144                   | 38                   | 11                   | 49                                                              | 46                                                           | 51                                                             | 46                                                             | 95                                                       | 106                                                       | 82                                                        | 107                                                      | 109                                                       | 110                                                                    |
| 145                   | 38                   | 32                   | 49                                                              | 45                                                           | 51                                                             | 45                                                             | 95                                                       | 105                                                       | 81                                                        | 107                                                      | 109                                                       | 110                                                                    |
| 146                   | 38                   | 53                   | 49                                                              | 45                                                           | 51                                                             | 45                                                             | 96                                                       | 107                                                       | 82                                                        | 108                                                      | 110                                                       | 111                                                                    |
| 147                   | 38                   | 14                   | 49                                                              | 45                                                           | 51                                                             | 46                                                             | 96                                                       | 107                                                       | 81                                                        | 107                                                      | 111                                                       | 111                                                                    |
| 148                   | 39                   | 35                   | 51                                                              | 47                                                           | 51                                                             | 46                                                             | 95                                                       | 106                                                       | 80                                                        | 107                                                      | 110                                                       | 110                                                                    |
| 149                   | 39                   | 56                   | 51                                                              | 47                                                           | 51                                                             | 46                                                             | 96                                                       | 105                                                       | 80                                                        | 107                                                      | 110                                                       | 110                                                                    |
| 150                   | 40                   | 17                   | 51                                                              | 47                                                           | 52                                                             | 48                                                             | 95                                                       | 105                                                       | 80                                                        | 107                                                      | 110                                                       | 110                                                                    |
| 151                   | 40                   | 38                   | 51                                                              | 47                                                           | 52                                                             | 48                                                             | 95                                                       | 105                                                       | 80                                                        | 107                                                      | 110                                                       | 110                                                                    |
| 152                   | 40                   | 59                   | 50                                                              | 46                                                           | 53                                                             | 48                                                             | 94                                                       | 104                                                       | 77                                                        | 106                                                      | 109                                                       | 109                                                                    |
| 153                   | 41                   | 21                   | 51                                                              | 47                                                           | 53                                                             | 47                                                             | 93                                                       | 102                                                       | 77                                                        | 105                                                      | 108                                                       | 107                                                                    |
| 154                   | 41                   | 42                   | 51                                                              | 47                                                           | 53                                                             | 46                                                             | 93                                                       | 103                                                       | 74                                                        | 104                                                      | 107                                                       | 106                                                                    |
| 155                   | 42                   | 3                    | 49                                                              | 47                                                           | 52                                                             | 45                                                             | 92                                                       | 101                                                       | 75                                                        | 105                                                      | 109                                                       | 108                                                                    |
| 156                   | 42                   | 24                   | 49                                                              | 47                                                           | 52                                                             | 45                                                             | 92                                                       | 101                                                       | 73                                                        | 105                                                      | 109                                                       | 107                                                                    |
| 157                   | 42                   | 45                   | 49                                                              | 46                                                           | 50                                                             | 44                                                             | 91                                                       | 100                                                       | 72                                                        | 104                                                      | 109                                                       | 105                                                                    |
| 158                   | 43                   | 6                    | 49                                                              | 46                                                           | 49                                                             | 44                                                             | 91                                                       | 101                                                       | 72                                                        | 104                                                      | 107                                                       | 104                                                                    |
| 159                   | 43                   | 27                   | 49                                                              | 46                                                           | 49                                                             | 44                                                             | 92                                                       | 101                                                       | 72                                                        | 105                                                      | 109                                                       | 104                                                                    |
| 160                   | 43                   | 48                   | 48                                                              | 46                                                           | 49                                                             | 44                                                             | 92                                                       | 101                                                       | 71                                                        | 103                                                      | 107                                                       | 105                                                                    |
| 161                   | 44                   | 0                    | 48                                                              | 46                                                           | 49                                                             | 44                                                             | 92                                                       | 101                                                       | 71                                                        | 103                                                      | 107                                                       | 103                                                                    |
| 162                   | 44                   | 30                   | 48                                                              | 46                                                           | 49                                                             | 44                                                             | 92                                                       | 104                                                       | 73                                                        | 103                                                      | 106                                                       | 105                                                                    |
| 163                   | 44                   | 52                   | 48                                                              | 45                                                           | 49                                                             | 44                                                             | 93                                                       | 102                                                       | 74                                                        | 103                                                      | 106                                                       | 104                                                                    |
| 164                   | 45                   | 17                   | 48                                                              | 45                                                           | 49                                                             | 44                                                             | 93                                                       | 103                                                       | 74                                                        | 104                                                      | 107                                                       | 104                                                                    |
| 165                   | 45                   | 34                   | 48                                                              | 45                                                           | 49                                                             | 44                                                             | 93                                                       | 103                                                       | 76                                                        | 104                                                      | 107                                                       | 105                                                                    |
| 166                   | 45                   | 53                   | 48                                                              | 45                                                           | 47                                                             | 44                                                             | 93                                                       | 102                                                       | 76                                                        | 104                                                      | 109                                                       | 106                                                                    |
| 167                   | 46                   | 16                   | 48                                                              | 45                                                           | 47                                                             | 44                                                             | 94                                                       | 104                                                       | 76                                                        | 104                                                      | 109                                                       | 106                                                                    |
| 168                   | 46                   | 37                   | 48                                                              | 45                                                           | 48                                                             | 45                                                             | 94                                                       | 104                                                       | 77                                                        | 105                                                      | 108                                                       | 105                                                                    |
| 169                   | 46                   | 58                   | 48                                                              | 45                                                           | 49                                                             | 45                                                             | 94                                                       | 104                                                       | 75                                                        | 105                                                      | 108                                                       | 109                                                                    |
| 170                   | 47                   | 19                   | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 94                                                       | 104                                                       | 75                                                        | 105                                                      | 108                                                       | 105                                                                    |
| 171                   | 47                   | 40                   | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 93                                                       | 104                                                       | 75                                                        | 105                                                      | 108                                                       | 104                                                                    |
| 172                   | 48                   | 2                    | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 93                                                       | 104                                                       | 73                                                        | 104                                                      | 107                                                       | 104                                                                    |
| 173                   | 48                   | 27                   | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 92                                                       | 103                                                       | 73                                                        | 104                                                      | 106                                                       | 104                                                                    |
| 174                   | 48                   | 44                   | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 92                                                       | 103                                                       | 72                                                        | 104                                                      | 106                                                       | 103                                                                    |
| 175                   | 49                   | 5                    | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 93                                                       | 103                                                       | 72                                                        | 104                                                      | 106                                                       | 104                                                                    |
| 176                   | 49                   | 26                   | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 93                                                       | 104                                                       | 72                                                        | 104                                                      | 106                                                       | 104                                                                    |
| 177                   | 49                   | 47                   | 46                                                              | 45                                                           | 49                                                             | 44                                                             | 92                                                       | 103                                                       | 71                                                        | 103                                                      | 106                                                       | 104                                                                    |
| 178                   | 49                   | 67                   | 46                                                              | 45                                                           | 49                                                             | 44                                                             | 92                                                       | 103                                                       | 71                                                        | 103                                                      | 105                                                       | 104                                                                    |
| 179                   | 50                   | 8                    | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 91                                                       | 103                                                       | 71                                                        | 103                                                      | 105                                                       | 104                                                                    |
| 180                   | 50                   | 29                   | 47                                                              | 45                                                           | 49                                                             | 44                                                             | 91                                                       | 102                                                       | 70                                                        | 103                                                      | 105                                                       | 103                                                                    |
| 181                   | 50                   | 53                   | 47                                                              | 44                                                           | 49                                                             | 44                                                             | 92                                                       | 102                                                       | 70                                                        | 103                                                      | 105                                                       | 104                                                                    |
| 182                   | 51                   | 12                   | 47                                                              | 44                                                           | 49                                                             | 44                                                             | 91                                                       | 102                                                       | 70                                                        | 103                                                      | 105                                                       | 103                                                                    |
| 183                   | 51                   | 34                   | 47                                                              | 44                                                           | 49                                                             | 44                                                             | 91                                                       | 102                                                       | 69                                                        | 103                                                      | 105                                                       | 103                                                                    |
| 184                   | 51                   | 51                   | 47                                                              | 44                                                           | 49                                                             | 44                                                             | 91                                                       | 102                                                       | 69                                                        | 103                                                      | 105                                                       | 103                                                                    |
| 185                   | 51                   | 14                   | 47                                                              | 44                                                           | 49                                                             | 44                                                             | 91                                                       | 102                                                       | 69                                                        | 103                                                      | 105                                                       | 103                                                                    |
| 186                   | 51                   | 37                   | 47                                                              | 44                                                           | 49                                                             | 44                                                             | 91                                                       | 101                                                       | 69                                                        | 103                                                      | 105                                                       | 103                                                                    |
| 187                   | 51                   | 54                   | 47                                                              | 44                                                           | 49                                                             | 44                                                             | 90                                                       | 101                                                       | 69                                                        | 103                                                      | 105                                                       | 103                                                                    |

| 4-01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LNR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>COLL.<br>HYD IN<br>TEMP<br>DEG.C |
|------------------------|----------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 185                    | 52                   | 36                   | 45                                                             | 44                                                          | 40                                                            | 43                                                            | 90                                                       | 100                                                       | 63                                                        | 103                                                      | 105                                                       | 104                                                          |
| 186                    | 53                   | 57                   | 44                                                             | 43                                                          | 47                                                            | 43                                                            | 90                                                       | 100                                                       | 68                                                        | 103                                                      | 106                                                       | 105                                                          |
| 187                    | 53                   | 18                   | 44                                                             | 42                                                          | 47                                                            | 44                                                            | 90                                                       | 100                                                       | 68                                                        | 104                                                      | 105                                                       | 106                                                          |
| 188                    | 53                   | 39                   | 43                                                             | 42                                                          | 46                                                            | 42                                                            | 90                                                       | 99                                                        | 68                                                        | 103                                                      | 105                                                       | 105                                                          |
| 189                    | 54                   | 0                    | 43                                                             | 42                                                          | 46                                                            | 42                                                            | 90                                                       | 100                                                       | 68                                                        | 104                                                      | 106                                                       | 106                                                          |
| 190                    | 54                   | 22                   | 44                                                             | 41                                                          | 46                                                            | 43                                                            | 90                                                       | 99                                                        | 68                                                        | 103                                                      | 106                                                       | 106                                                          |
| 191                    | 54                   | 43                   | 43                                                             | 42                                                          | 46                                                            | 43                                                            | 89                                                       | 99                                                        | 68                                                        | 104                                                      | 106                                                       | 106                                                          |
| 192                    | 55                   | 4                    | 43                                                             | 41                                                          | 46                                                            | 43                                                            | 88                                                       | 99                                                        | 66                                                        | 104                                                      | 107                                                       | 106                                                          |
| 193                    | 55                   | 25                   | 43                                                             | 42                                                          | 46                                                            | 44                                                            | 89                                                       | 99                                                        | 66                                                        | 105                                                      | 106                                                       | 106                                                          |
| 194                    | 55                   | 46                   | 42                                                             | 41                                                          | 46                                                            | 43                                                            | 88                                                       | 99                                                        | 66                                                        | 103                                                      | 107                                                       | 107                                                          |
| 195                    | 56                   | 7                    | 42                                                             | 42                                                          | 45                                                            | 44                                                            | 88                                                       | 99                                                        | 65                                                        | 104                                                      | 107                                                       | 106                                                          |
| 196                    | 56                   | 28                   | 42                                                             | 42                                                          | 45                                                            | 43                                                            | 88                                                       | 99                                                        | 65                                                        | 103                                                      | 106                                                       | 106                                                          |
| 197                    | 56                   | 49                   | 41                                                             | 42                                                          | 47                                                            | 44                                                            | 87                                                       | 98                                                        | 65                                                        | 103                                                      | 106                                                       | 105                                                          |
| 198                    | 57                   | 10                   | 41                                                             | 42                                                          | 48                                                            | 44                                                            | 86                                                       | 97                                                        | 65                                                        | 103                                                      | 106                                                       | 105                                                          |
| 199                    | 57                   | 31                   | 44                                                             | 44                                                          | 49                                                            | 45                                                            | 87                                                       | 97                                                        | 65                                                        | 104                                                      | 107                                                       | 105                                                          |
| 200                    | 57                   | 52                   | 44                                                             | 44                                                          | 49                                                            | 45                                                            | 86                                                       | 99                                                        | 66                                                        | 104                                                      | 106                                                       | 106                                                          |
| 201                    | 58                   | 13                   | 45                                                             | 44                                                          | 51                                                            | 45                                                            | 87                                                       | 98                                                        | 66                                                        | 103                                                      | 107                                                       | 106                                                          |
| 202                    | 58                   | 34                   | 45                                                             | 44                                                          | 51                                                            | 45                                                            | 88                                                       | 99                                                        | 66                                                        | 104                                                      | 107                                                       | 106                                                          |
| 203                    | 58                   | 55                   | 45                                                             | 44                                                          | 50                                                            | 44                                                            | 88                                                       | 98                                                        | 66                                                        | 103                                                      | 107                                                       | 106                                                          |
| 204                    | 59                   | 16                   | 45                                                             | 44                                                          | 49                                                            | 44                                                            | 88                                                       | 99                                                        | 67                                                        | 104                                                      | 107                                                       | 107                                                          |
| 205                    | 59                   | 37                   | 45                                                             | 43                                                          | 43                                                            | 43                                                            | 89                                                       | 100                                                       | 68                                                        | 105                                                      | 108                                                       | 107                                                          |
| 206                    | 59                   | 59                   | 45                                                             | 43                                                          | 47                                                            | 44                                                            | 90                                                       | 100                                                       | 69                                                        | 105                                                      | 108                                                       | 107                                                          |
| 207                    | 59                   | 20                   | 44                                                             | 43                                                          | 46                                                            | 43                                                            | 90                                                       | 100                                                       | 67                                                        | 105                                                      | 109                                                       | 107                                                          |
| 208                    | 59                   | 41                   | 44                                                             | 42                                                          | 46                                                            | 43                                                            | 89                                                       | 100                                                       | 70                                                        | 105                                                      | 108                                                       | 106                                                          |
| 209                    | 61                   | 2                    | 43                                                             | 42                                                          | 46                                                            | 43                                                            | 90                                                       | 100                                                       | 69                                                        | 106                                                      | 108                                                       | 106                                                          |
| 210                    | 61                   | 23                   | 44                                                             | 42                                                          | 45                                                            | 44                                                            | 90                                                       | 100                                                       | 69                                                        | 106                                                      | 108                                                       | 106                                                          |
| 211                    | 61                   | 44                   | 42                                                             | 42                                                          | 46                                                            | 43                                                            | 89                                                       | 100                                                       | 70                                                        | 105                                                      | 108                                                       | 107                                                          |
| 212                    | 62                   | 5                    | 43                                                             | 42                                                          | 46                                                            | 42                                                            | 89                                                       | 100                                                       | 69                                                        | 105                                                      | 108                                                       | 107                                                          |
| 213                    | 62                   | 26                   | 42                                                             | 42                                                          | 45                                                            | 42                                                            | 99                                                       | 100                                                       | 68                                                        | 105                                                      | 107                                                       | 106                                                          |
| 214                    | 62                   | 47                   | 43                                                             | 42                                                          | 45                                                            | 42                                                            | 99                                                       | 100                                                       | 68                                                        | 105                                                      | 107                                                       | 107                                                          |
| 215                    | 63                   | 6                    | 42                                                             | 41                                                          | 45                                                            | 42                                                            | 99                                                       | 100                                                       | 68                                                        | 105                                                      | 107                                                       | 107                                                          |
| 216                    | 63                   | 29                   | 42                                                             | 41                                                          | 45                                                            | 42                                                            | 90                                                       | 99                                                        | 68                                                        | 105                                                      | 107                                                       | 107                                                          |
| 217                    | 63                   | 51                   | 42                                                             | 41                                                          | 45                                                            | 42                                                            | 89                                                       | 100                                                       | 68                                                        | 105                                                      | 106                                                       | 107                                                          |
| 218                    | 64                   | 12                   | 41                                                             | 42                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 68                                                        | 103                                                      | 106                                                       | 107                                                          |
| 219                    | 64                   | 33                   | 42                                                             | 42                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 67                                                        | 104                                                      | 106                                                       | 107                                                          |
| 220                    | 64                   | 54                   | 42                                                             | 41                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 67                                                        | 103                                                      | 105                                                       | 106                                                          |
| 221                    | 65                   | 15                   | 42                                                             | 42                                                          | 45                                                            | 42                                                            | 90                                                       | 99                                                        | 67                                                        | 103                                                      | 105                                                       | 107                                                          |
| 222                    | 65                   | 36                   | 41                                                             | 41                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 67                                                        | 104                                                      | 106                                                       | 107                                                          |
| 223                    | 65                   | 57                   | 42                                                             | 41                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 68                                                        | 104                                                      | 106                                                       | 107                                                          |
| 224                    | 66                   | 4                    | 41                                                             | 41                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 66                                                        | 103                                                      | 106                                                       | 106                                                          |
| 225                    | 66                   | 18                   | 41                                                             | 41                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 66                                                        | 105                                                      | 106                                                       | 107                                                          |
| 226                    | 67                   | 1                    | 41                                                             | 41                                                          | 44                                                            | 42                                                            | 99                                                       | 99                                                        | 67                                                        | 104                                                      | 106                                                       | 107                                                          |
| 227                    | 67                   | 22                   | 41                                                             | 41                                                          | 45                                                            | 42                                                            | 99                                                       | 99                                                        | 67                                                        | 104                                                      | 105                                                       | 107                                                          |
| 228                    | 67                   | 43                   | 41                                                             | 41                                                          | 44                                                            | 41                                                            | 88                                                       | 98                                                        | 66                                                        | 103                                                      | 106                                                       | 107                                                          |
| 229                    | 68                   | 4                    | 41                                                             | 40                                                          | 44                                                            | 42                                                            | 88                                                       | 99                                                        | 66                                                        | 104                                                      | 105                                                       | 106                                                          |
| 230                    | 68                   | 25                   | 40                                                             | 40                                                          | 44                                                            | 42                                                            | 87                                                       | 98                                                        | 66                                                        | 104                                                      | 106                                                       | 106                                                          |
| 231                    | 68                   | 46                   | 41                                                             | 41                                                          | 44                                                            | 42                                                            | 88                                                       | 98                                                        | 66                                                        | 103                                                      | 106                                                       | 106                                                          |
| 232                    | 68                   | 7                    | 41                                                             | 41                                                          | 44                                                            | 42                                                            | 88                                                       | 98                                                        | 66                                                        | 104                                                      | 106                                                       | 106                                                          |
| 233                    | 68                   | 28                   | 41                                                             | 41                                                          | 45                                                            | 42                                                            | 88                                                       | 98                                                        | 66                                                        | 103                                                      | 106                                                       | 105                                                          |
| 234                    | 68                   | 51                   | 41                                                             | 41                                                          | 45                                                            | 42                                                            | 87                                                       | 97                                                        | 65                                                        | 102                                                      | 104                                                       | 103                                                          |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WINDSH<br>INSIDE<br>UPPER<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFI<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFI<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAN<br>CHAM)<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 235                   | 70                   | 10                   | 41                                                   | 41                                                   | 44                                                            | 41                                                            | 87                                                       | 96                                                        | 65                                                        | 101                                                      | 104                                                       | 102                                                          |
| 236                   | 70                   | 31                   | 42                                                   | 42                                                   | 45                                                            | 42                                                            | 86                                                       | 96                                                        | 85                                                        | 101                                                      | 103                                                       | 100                                                          |
| 237                   | 70                   | 52                   | 43                                                   | 42                                                   | 46                                                            | 43                                                            | 87                                                       | 97                                                        | 65                                                        | 101                                                      | 103                                                       | 100                                                          |
| 238                   | 71                   | 13                   | 44                                                   | 42                                                   | 46                                                            | 44                                                            | 86                                                       | 96                                                        | 64                                                        | 101                                                      | 103                                                       | 100                                                          |
| 239                   | 71                   | 34                   | 44                                                   | 42                                                   | 46                                                            | 45                                                            | 87                                                       | 97                                                        | 64                                                        | 101                                                      | 104                                                       | 100                                                          |
| 240                   | 71                   | 55                   | 45                                                   | 42                                                   | 49                                                            | 44                                                            | 86                                                       | 96                                                        | 63                                                        | 100                                                      | 102                                                       | 99                                                           |
| 241                   | 72                   | 16                   | 44                                                   | 42                                                   | 48                                                            | 43                                                            | 85                                                       | 95                                                        | 63                                                        | 98                                                       | 102                                                       | 98                                                           |
| 242                   | 72                   | 37                   | 45                                                   | 42                                                   | 48                                                            | 42                                                            | 85                                                       | 95                                                        | 64                                                        | 99                                                       | 102                                                       | 98                                                           |
| 243                   | 72                   | 58                   | 44                                                   | 43                                                   | 47                                                            | 44                                                            | 85                                                       | 95                                                        | 64                                                        | 99                                                       | 102                                                       | 98                                                           |
| 244                   | 73                   | 19                   | 44                                                   | 43                                                   | 46                                                            | 43                                                            | 85                                                       | 95                                                        | 63                                                        | 99                                                       | 101                                                       | 97                                                           |
| 245                   | 73                   | 40                   | 44                                                   | 42                                                   | 45                                                            | 41                                                            | 85                                                       | 94                                                        | 62                                                        | 99                                                       | 101                                                       | 96                                                           |
| 246                   | 74                   | 1                    | 44                                                   | 42                                                   | 46                                                            | 42                                                            | 84                                                       | 94                                                        | 62                                                        | 98                                                       | 101                                                       | 96                                                           |
| 247                   | 74                   | 22                   | 43                                                   | 42                                                   | 45                                                            | 42                                                            | 85                                                       | 95                                                        | 63                                                        | 99                                                       | 102                                                       | 98                                                           |
| 248                   | 74                   | 44                   | 42                                                   | 42                                                   | 45                                                            | 42                                                            | 85                                                       | 95                                                        | 63                                                        | 99                                                       | 101                                                       | 98                                                           |
| 249                   | 75                   | 5                    | 42                                                   | 41                                                   | 45                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 99                                                       | 101                                                       | 100                                                          |
| 250                   | 75                   | 26                   | 41                                                   | 41                                                   | 45                                                            | 41                                                            | 85                                                       | 95                                                        | 62                                                        | 99                                                       | 102                                                       | 101                                                          |
| 251                   | 75                   | 47                   | 41                                                   | 41                                                   | 44                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 102                                                       | 101                                                          |
| 252                   | 76                   | 6                    | 41                                                   | 41                                                   | 44                                                            | 42                                                            | 85                                                       | 94                                                        | 63                                                        | 100                                                      | 102                                                       | 101                                                          |
| 253                   | 76                   | 29                   | 41                                                   | 41                                                   | 44                                                            | 42                                                            | 84                                                       | 95                                                        | 63                                                        | 100                                                      | 102                                                       | 102                                                          |
| 254                   | 76                   | 50                   | 41                                                   | 41                                                   | 44                                                            | 42                                                            | 85                                                       | 95                                                        | 63                                                        | 100                                                      | 102                                                       | 103                                                          |
| 255                   | 77                   | 11                   | 41                                                   | 40                                                   | 45                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 103                                                       | 102                                                          |
| 256                   | 77                   | 32                   | 41                                                   | 40                                                   | 44                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 103                                                       | 102                                                          |
| 257                   | 77                   | 54                   | 41                                                   | 40                                                   | 44                                                            | 42                                                            | 85                                                       | 96                                                        | 63                                                        | 101                                                      | 103                                                       | 103                                                          |
| 258                   | 78                   | 15                   | 40                                                   | 40                                                   | 44                                                            | 42                                                            | 84                                                       | 95                                                        | 63                                                        | 101                                                      | 103                                                       | 103                                                          |
| 259                   | 78                   | 36                   | 40                                                   | 40                                                   | 44                                                            | 41                                                            | 85                                                       | 96                                                        | 63                                                        | 101                                                      | 103                                                       | 103                                                          |
| 260                   | 78                   | 57                   | 41                                                   | 41                                                   | 44                                                            | 42                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 103                                                       | 103                                                          |
| 261                   | 79                   | 18                   | 41                                                   | 41                                                   | 44                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 103                                                       | 104                                                          |
| 262                   | 79                   | 39                   | 41                                                   | 40                                                   | 44                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 103                                                       | 103                                                          |
| 263                   | 80                   | 60                   | 41                                                   | 40                                                   | 44                                                            | 42                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 103                                                       | 103                                                          |
| 264                   | 80                   | 81                   | 41                                                   | 40                                                   | 44                                                            | 41                                                            | 85                                                       | 95                                                        | 64                                                        | 101                                                      | 103                                                       | 103                                                          |
| 265                   | 81                   | 3                    | 41                                                   | 40                                                   | 44                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 101                                                      | 104                                                       | 102                                                          |
| 266                   | 81                   | 24                   | 41                                                   | 41                                                   | 43                                                            | 41                                                            | 85                                                       | 95                                                        | 63                                                        | 100                                                      | 102                                                       | 101                                                          |
| 267                   | 81                   | 46                   | 41                                                   | 41                                                   | 43                                                            | 41                                                            | 85                                                       | 95                                                        | 64                                                        | 99                                                       | 102                                                       | 101                                                          |
| 268                   | 82                   | 7                    | 42                                                   | 40                                                   | 42                                                            | 41                                                            | 85                                                       | 95                                                        | 65                                                        | 99                                                       | 102                                                       | 101                                                          |
| 269                   | 82                   | 28                   | 42                                                   | 41                                                   | 42                                                            | 41                                                            | 86                                                       | 96                                                        | 66                                                        | 99                                                       | 103                                                       | 101                                                          |
| 270                   | 82                   | 49                   | 42                                                   | 41                                                   | 43                                                            | 41                                                            | 86                                                       | 96                                                        | 66                                                        | 99                                                       | 104                                                       | 101                                                          |
| 271                   | 83                   | 10                   | 42                                                   | 41                                                   | 43                                                            | 41                                                            | 87                                                       | 97                                                        | 67                                                        | 101                                                      | 103                                                       | 102                                                          |
| 272                   | 83                   | 31                   | 42                                                   | 41                                                   | 43                                                            | 41                                                            | 87                                                       | 97                                                        | 68                                                        | 99                                                       | 103                                                       | 103                                                          |
| 273                   | 83                   | 52                   | 42                                                   | 41                                                   | 43                                                            | 42                                                            | 88                                                       | 98                                                        | 69                                                        | 101                                                      | 104                                                       | 103                                                          |
| 274                   | 84                   | 13                   | 41                                                   | 41                                                   | 42                                                            | 42                                                            | 89                                                       | 100                                                       | 69                                                        | 101                                                      | 104                                                       | 104                                                          |
| 275                   | 84                   | 34                   | 41                                                   | 41                                                   | 43                                                            | 41                                                            | 89                                                       | 99                                                        | 69                                                        | 101                                                      | 104                                                       | 104                                                          |
| 276                   | 84                   | 55                   | 41                                                   | 41                                                   | 43                                                            | 41                                                            | 89                                                       | 100                                                       | 69                                                        | 101                                                      | 104                                                       | 104                                                          |
| 277                   | 85                   | 16                   | 41                                                   | 42                                                   | 42                                                            | 41                                                            | 89                                                       | 100                                                       | 70                                                        | 102                                                      | 104                                                       | 105                                                          |
| 278                   | 85                   | 37                   | 41                                                   | 42                                                   | 42                                                            | 41                                                            | 89                                                       | 101                                                       | 71                                                        | 102                                                      | 105                                                       | 105                                                          |
| 279                   | 85                   | 58                   | 41                                                   | 42                                                   | 42                                                            | 42                                                            | 90                                                       | 101                                                       | 71                                                        | 102                                                      | 105                                                       | 105                                                          |
| 280                   | 86                   | 19                   | 41                                                   | 41                                                   | 42                                                            | 42                                                            | 90                                                       | 101                                                       | 71                                                        | 103                                                      | 105                                                       | 105                                                          |
| 281                   | 86                   | 40                   | 41                                                   | 41                                                   | 42                                                            | 41                                                            | 88                                                       | 98                                                        | 69                                                        | 102                                                      | 106                                                       | 105                                                          |
| 282                   | 86                   | 61                   | 41                                                   | 41                                                   | 42                                                            | 41                                                            | 88                                                       | 98                                                        | 69                                                        | 102                                                      | 106                                                       | 105                                                          |
| 283                   | 87                   | 2                    | 42                                                   | 40                                                   | 42                                                            | 40                                                            | 88                                                       | 98                                                        | 68                                                        | 102                                                      | 103                                                       | 104                                                          |
| 284                   | 87                   | 23                   | 42                                                   | 40                                                   | 42                                                            | 40                                                            | 88                                                       | 99                                                        | 68                                                        | 102                                                      | 103                                                       | 105                                                          |

| SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WINDSHD<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WINDSHD<br>INSIDE<br>UPPER<br>P.H<br>DEG.C | 4-17<br>CENTER<br>PANEL<br>WINDSHD<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSHD<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFDS 1<br>(COLL.<br>AVAN<br>CHAN)<br>DEG.C |
|----------------|----------------------|----------------------|-----------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 285            | 87                   | 44                   | 42                                                              | 39                                                           | 42                                                             | 39                                                             | 68                                               | 98                                                        | 68                                                 | 102                                                      | 104                                                       | 105                                                          |
| 286            | 88                   | 5                    | 42                                                              | 39                                                           | 42                                                             | 39                                                             | 67                                               | 99                                                        | 67                                                 | 102                                                      | 104                                                       | 105                                                          |
| 287            | 88                   | 26                   | 42                                                              | 40                                                           | 42                                                             | 39                                                             | 68                                               | 99                                                        | 68                                                 | 102                                                      | 104                                                       | 106                                                          |
| 288            | 88                   | 48                   | 42                                                              | 40                                                           | 42                                                             | 38                                                             | 67                                               | 99                                                        | 67                                                 | 102                                                      | 104                                                       | 105                                                          |
| 289            | 89                   | 9                    | 42                                                              | 40                                                           | 42                                                             | 39                                                             | 68                                               | 98                                                        | 68                                                 | 101                                                      | 103                                                       | 105                                                          |
| 290            | 89                   | 30                   | 42                                                              | 40                                                           | 42                                                             | 39                                                             | 66                                               | 98                                                        | 66                                                 | 102                                                      | 104                                                       | 105                                                          |
| 291            | 89                   | 51                   | 42                                                              | 39                                                           | 41                                                             | 39                                                             | 67                                               | 98                                                        | 67                                                 | 102                                                      | 104                                                       | 106                                                          |
| 292            | 90                   | 12                   | 42                                                              | 39                                                           | 42                                                             | 39                                                             | 66                                               | 98                                                        | 66                                                 | 103                                                      | 104                                                       | 105                                                          |
| 293            | 90                   | 33                   | 42                                                              | 39                                                           | 42                                                             | 39                                                             | 66                                               | 97                                                        | 66                                                 | 103                                                      | 105                                                       | 107                                                          |
| 294            | 90                   | 54                   | 41                                                              | 39                                                           | 42                                                             | 38                                                             | 67                                               | 98                                                        | 67                                                 | 102                                                      | 104                                                       | 106                                                          |
| 295            | 91                   | 16                   | 41                                                              | 39                                                           | 41                                                             | 38                                                             | 65                                               | 98                                                        | 65                                                 | 102                                                      | 106                                                       | 106                                                          |
| 296            | 91                   | 37                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 66                                               | 97                                                        | 66                                                 | 103                                                      | 105                                                       | 106                                                          |
| 297            | 91                   | 58                   | 41                                                              | 40                                                           | 42                                                             | 40                                                             | 67                                               | 98                                                        | 67                                                 | 103                                                      | 105                                                       | 107                                                          |
| 298            | 92                   | 19                   | 42                                                              | 39                                                           | 41                                                             | 39                                                             | 66                                               | 97                                                        | 66                                                 | 103                                                      | 105                                                       | 105                                                          |
| 299            | 92                   | 40                   | 41                                                              | 39                                                           | 41                                                             | 38                                                             | 65                                               | 97                                                        | 65                                                 | 103                                                      | 105                                                       | 105                                                          |
| 300            | 93                   | 1                    | 41                                                              | 39                                                           | 41                                                             | 38                                                             | 65                                               | 97                                                        | 65                                                 | 103                                                      | 105                                                       | 105                                                          |
| 301            | 93                   | 22                   | 42                                                              | 39                                                           | 41                                                             | 38                                                             | 66                                               | 97                                                        | 66                                                 | 102                                                      | 105                                                       | 105                                                          |
| 302            | 93                   | 44                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 66                                               | 97                                                        | 66                                                 | 102                                                      | 105                                                       | 105                                                          |
| 303            | 94                   | 5                    | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 66                                               | 97                                                        | 66                                                 | 102                                                      | 105                                                       | 103                                                          |
| 304            | 94                   | 26                   | 41                                                              | 39                                                           | 42                                                             | 39                                                             | 65                                               | 97                                                        | 65                                                 | 104                                                      | 105                                                       | 103                                                          |
| 305            | 94                   | 47                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 66                                               | 97                                                        | 66                                                 | 102                                                      | 105                                                       | 104                                                          |
| 306            | 95                   | 8                    | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 65                                               | 97                                                        | 65                                                 | 102                                                      | 105                                                       | 103                                                          |
| 307            | 95                   | 29                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 65                                               | 97                                                        | 65                                                 | 102                                                      | 105                                                       | 104                                                          |
| 308            | 95                   | 50                   | 41                                                              | 39                                                           | 41                                                             | 38                                                             | 66                                               | 97                                                        | 66                                                 | 102                                                      | 104                                                       | 103                                                          |
| 309            | 96                   | 12                   | 41                                                              | 39                                                           | 41                                                             | 38                                                             | 65                                               | 98                                                        | 65                                                 | 102                                                      | 104                                                       | 103                                                          |
| 310            | 96                   | 23                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 66                                               | 98                                                        | 66                                                 | 102                                                      | 104                                                       | 103                                                          |
| 311            | 96                   | 54                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 66                                               | 98                                                        | 66                                                 | 102                                                      | 104                                                       | 103                                                          |
| 312            | 97                   | 15                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 65                                               | 99                                                        | 65                                                 | 101                                                      | 105                                                       | 104                                                          |
| 313            | 97                   | 36                   | 41                                                              | 39                                                           | 41                                                             | 39                                                             | 65                                               | 98                                                        | 65                                                 | 101                                                      | 103                                                       | 103                                                          |
| 314            | 97                   | 57                   | 41                                                              | 40                                                           | 42                                                             | 40                                                             | 68                                               | 98                                                        | 68                                                 | 101                                                      | 104                                                       | 103                                                          |
| 315            | 98                   | 18                   | 42                                                              | 41                                                           | 42                                                             | 40                                                             | 69                                               | 98                                                        | 69                                                 | 102                                                      | 104                                                       | 104                                                          |
| 316            | 98                   | 39                   | 44                                                              | 41                                                           | 41                                                             | 40                                                             | 68                                               | 99                                                        | 68                                                 | 102                                                      | 105                                                       | 104                                                          |
| 317            | 98                   | 60                   | 44                                                              | 41                                                           | 41                                                             | 40                                                             | 69                                               | 99                                                        | 69                                                 | 102                                                      | 105                                                       | 104                                                          |
| 318            | 99                   | 21                   | 44                                                              | 41                                                           | 41                                                             | 40                                                             | 70                                               | 100                                                       | 70                                                 | 102                                                      | 105                                                       | 105                                                          |
| 319            | 99                   | 42                   | 44                                                              | 41                                                           | 41                                                             | 41                                                             | 71                                               | 101                                                       | 71                                                 | 103                                                      | 106                                                       | 105                                                          |
| 320            | 100                  | 63                   | 44                                                              | 41                                                           | 41                                                             | 41                                                             | 72                                               | 102                                                       | 72                                                 | 104                                                      | 107                                                       | 106                                                          |
| 321            | 100                  | 84                   | 44                                                              | 42                                                           | 42                                                             | 41                                                             | 73                                               | 102                                                       | 73                                                 | 104                                                      | 108                                                       | 107                                                          |
| 322            | 100                  | 105                  | 45                                                              | 41                                                           | 42                                                             | 41                                                             | 74                                               | 103                                                       | 74                                                 | 105                                                      | 108                                                       | 108                                                          |
| 323            | 101                  | 126                  | 45                                                              | 41                                                           | 42                                                             | 41                                                             | 75                                               | 104                                                       | 75                                                 | 105                                                      | 109                                                       | 109                                                          |
| 324            | 101                  | 147                  | 45                                                              | 41                                                           | 42                                                             | 41                                                             | 75                                               | 105                                                       | 75                                                 | 105                                                      | 109                                                       | 109                                                          |
| 325            | 101                  | 168                  | 45                                                              | 41                                                           | 42                                                             | 41                                                             | 76                                               | 105                                                       | 76                                                 | 106                                                      | 109                                                       | 110                                                          |
| 326            | 101                  | 189                  | 46                                                              | 41                                                           | 42                                                             | 41                                                             | 76                                               | 106                                                       | 76                                                 | 106                                                      | 109                                                       | 109                                                          |
| 327            | 102                  | 210                  | 46                                                              | 41                                                           | 42                                                             | 40                                                             | 75                                               | 106                                                       | 75                                                 | 105                                                      | 110                                                       | 108                                                          |
| 328            | 102                  | 231                  | 46                                                              | 41                                                           | 42                                                             | 40                                                             | 75                                               | 106                                                       | 75                                                 | 106                                                      | 109                                                       | 108                                                          |
| 329            | 102                  | 252                  | 46                                                              | 41                                                           | 42                                                             | 39                                                             | 74                                               | 106                                                       | 74                                                 | 106                                                      | 109                                                       | 109                                                          |
| 330            | 102                  | 273                  | 46                                                              | 41                                                           | 42                                                             | 40                                                             | 73                                               | 106                                                       | 73                                                 | 106                                                      | 109                                                       | 108                                                          |
| 331            | 102                  | 294                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 72                                               | 106                                                       | 72                                                 | 106                                                      | 109                                                       | 108                                                          |
| 332            | 102                  | 315                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 72                                               | 106                                                       | 72                                                 | 106                                                      | 109                                                       | 108                                                          |
| 333            | 102                  | 336                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 334            | 102                  | 357                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 335            | 102                  | 378                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 336            | 102                  | 399                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 337            | 102                  | 420                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 338            | 102                  | 441                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 339            | 102                  | 462                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 340            | 102                  | 483                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 341            | 102                  | 504                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 342            | 102                  | 525                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 343            | 102                  | 546                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 344            | 102                  | 567                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 345            | 102                  | 588                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 346            | 102                  | 609                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 347            | 102                  | 630                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 348            | 102                  | 651                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 349            | 102                  | 672                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 350            | 102                  | 693                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 351            | 102                  | 714                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 352            | 102                  | 735                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 353            | 102                  | 756                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 354            | 102                  | 777                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 355            | 102                  | 798                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 356            | 102                  | 819                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 357            | 102                  | 840                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 358            | 102                  | 861                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 359            | 102                  | 882                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 360            | 102                  | 903                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 361            | 102                  | 924                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 362            | 102                  | 945                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 363            | 102                  | 966                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 364            | 102                  | 987                  | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 365            | 102                  | 1008                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 366            | 102                  | 1029                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 367            | 102                  | 1050                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 368            | 102                  | 1071                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 369            | 102                  | 1092                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 370            | 102                  | 1113                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 371            | 102                  | 1134                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 372            | 102                  | 1155                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 373            | 102                  | 1176                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 374            | 102                  | 1197                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 375            | 102                  | 1218                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 376            | 102                  | 1239                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 377            | 102                  | 1260                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 378            | 102                  | 1281                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 379            | 102                  | 1302                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 380            | 102                  | 1323                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 381            | 102                  | 1344                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 382            | 102                  | 1365                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 383            | 102                  | 1386                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 384            | 102                  | 1407                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 385            | 102                  | 1428                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 386            | 102                  | 1449                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 387            | 102                  | 1470                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 388            | 102                  | 1491                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 389            | 102                  | 1512                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 390            | 102                  | 1533                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 391            | 102                  | 1554                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 392            | 102                  | 1575                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 393            | 102                  | 1596                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 394            | 102                  | 1617                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 395            | 102                  | 1638                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 396            | 102                  | 1659                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 397            | 102                  | 1680                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 398            | 102                  | 1701                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 399            | 102                  | 1722                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |
| 400            | 102                  | 1743                 | 46                                                              | 41                                                           | 41                                                             | 40                                                             | 71                                               | 106                                                       | 71                                                 | 106                                                      | 109                                                       | 108                                                          |

| 4-01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLY<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLY<br>WINDSH<br>INSIDE<br>UPPER<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>DEG.C |
|------------------------|----------------------|----------------------|----------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|
| 335                    | 105                  | 20                   | 42                                                             | 40                                                   | 41                                                            | 39                                                            | 90                                                       | 101                                                       | 70                                                        | 105                                                      | 108                                                       | 107                                                          |
| 336                    | 105                  | 41                   | 41                                                             | 39                                                   | 40                                                            | 40                                                            | 83                                                       | 101                                                       | 71                                                        | 105                                                      | 108                                                       | 107                                                          |
| 337                    | 106                  | 2                    | 42                                                             | 40                                                   | 41                                                            | 40                                                            | 88                                                       | 98                                                        | 68                                                        | 104                                                      | 108                                                       | 106                                                          |
| 338                    | 106                  | 23                   | 41                                                             | 40                                                   | 42                                                            | 41                                                            | 89                                                       | 98                                                        | 68                                                        | 105                                                      | 108                                                       | 107                                                          |
| 339                    | 106                  | 45                   | 41                                                             | 40                                                   | 42                                                            | 41                                                            | 87                                                       | 97                                                        | 67                                                        | 104                                                      | 107                                                       | 106                                                          |
| 340                    | 107                  | 6                    | 41                                                             | 40                                                   | 42                                                            | 40                                                            | 86                                                       | 97                                                        | 67                                                        | 104                                                      | 107                                                       | 106                                                          |
| 341                    | 107                  | 27                   | 41                                                             | 41                                                   | 41                                                            | 41                                                            | 86                                                       | 96                                                        | 66                                                        | 103                                                      | 107                                                       | 106                                                          |
| 342                    | 107                  | 48                   | 41                                                             | 41                                                   | 42                                                            | 41                                                            | 85                                                       | 96                                                        | 65                                                        | 103                                                      | 107                                                       | 105                                                          |
| 343                    | 108                  | 9                    | 41                                                             | 41                                                   | 41                                                            | 40                                                            | 85                                                       | 96                                                        | 65                                                        | 103                                                      | 106                                                       | 105                                                          |
| 344                    | 108                  | 30                   | 41                                                             | 40                                                   | 41                                                            | 40                                                            | 85                                                       | 96                                                        | 65                                                        | 103                                                      | 105                                                       | 106                                                          |
| 345                    | 108                  | 52                   | 41                                                             | 40                                                   | 41                                                            | 40                                                            | 85                                                       | 96                                                        | 64                                                        | 103                                                      | 105                                                       | 106                                                          |
| 346                    | 109                  | 13                   | 40                                                             | 40                                                   | 41                                                            | 39                                                            | 86                                                       | 96                                                        | 65                                                        | 103                                                      | 106                                                       | 105                                                          |
| 347                    | 109                  | 34                   | 40                                                             | 39                                                   | 41                                                            | 39                                                            | 86                                                       | 96                                                        | 65                                                        | 102                                                      | 105                                                       | 104                                                          |
| 348                    | 109                  | 55                   | 40                                                             | 39                                                   | 41                                                            | 39                                                            | 86                                                       | 96                                                        | 64                                                        | 102                                                      | 105                                                       | 104                                                          |
| 349                    | 110                  | 16                   | 41                                                             | 41                                                   | 42                                                            | 40                                                            | 85                                                       | 96                                                        | 64                                                        | 103                                                      | 104                                                       | 104                                                          |
| 350                    | 110                  | 37                   | 40                                                             | 39                                                   | 41                                                            | 39                                                            | 84                                                       | 94                                                        | 64                                                        | 101                                                      | 104                                                       | 104                                                          |
| 351                    | 110                  | 59                   | 40                                                             | 39                                                   | 41                                                            | 39                                                            | 85                                                       | 94                                                        | 64                                                        | 101                                                      | 104                                                       | 102                                                          |
| 352                    | 111                  | 20                   | 40                                                             | 39                                                   | 41                                                            | 39                                                            | 85                                                       | 93                                                        | 64                                                        | 101                                                      | 104                                                       | 102                                                          |
| 353                    | 111                  | 41                   | 42                                                             | 41                                                   | 43                                                            | 40                                                            | 85                                                       | 94                                                        | 64                                                        | 101                                                      | 103                                                       | 102                                                          |
| 354                    | 112                  | 2                    | 41                                                             | 41                                                   | 44                                                            | 42                                                            | 85                                                       | 96                                                        | 65                                                        | 101                                                      | 103                                                       | 102                                                          |
| 355                    | 112                  | 23                   | 41                                                             | 42                                                   | 45                                                            | 41                                                            | 87                                                       | 97                                                        | 67                                                        | 102                                                      | 105                                                       | 103                                                          |
| 356                    | 112                  | 44                   | 42                                                             | 42                                                   | 45                                                            | 42                                                            | 87                                                       | 98                                                        | 66                                                        | 102                                                      | 105                                                       | 105                                                          |
| 357                    | 113                  | 5                    | 41                                                             | 41                                                   | 44                                                            | 41                                                            | 88                                                       | 97                                                        | 66                                                        | 102                                                      | 106                                                       | 105                                                          |
| 358                    | 113                  | 26                   | 41                                                             | 41                                                   | 44                                                            | 41                                                            | 87                                                       | 96                                                        | 67                                                        | 103                                                      | 106                                                       | 104                                                          |
| 359                    | 113                  | 47                   | 41                                                             | 41                                                   | 44                                                            | 41                                                            | 87                                                       | 93                                                        | 68                                                        | 103                                                      | 107                                                       | 104                                                          |
| 360                    | 114                  | 8                    | 41                                                             | 41                                                   | 43                                                            | 41                                                            | 89                                                       | 93                                                        | 68                                                        | 103                                                      | 106                                                       | 105                                                          |
| 361                    | 114                  | 29                   | 41                                                             | 41                                                   | 43                                                            | 41                                                            | 89                                                       | 93                                                        | 71                                                        | 103                                                      | 106                                                       | 106                                                          |
| 362                    | 114                  | 50                   | 41                                                             | 41                                                   | 43                                                            | 41                                                            | 90                                                       | 90                                                        | 70                                                        | 104                                                      | 107                                                       | 106                                                          |
| 363                    | 115                  | 11                   | 41                                                             | 41                                                   | 43                                                            | 41                                                            | 90                                                       | 100                                                       | 71                                                        | 104                                                      | 108                                                       | 108                                                          |
| 364                    | 115                  | 33                   | 41                                                             | 40                                                   | 43                                                            | 41                                                            | 91                                                       | 101                                                       | 70                                                        | 106                                                      | 108                                                       | 107                                                          |
| 365                    | 115                  | 54                   | 41                                                             | 40                                                   | 44                                                            | 41                                                            | 91                                                       | 93                                                        | 70                                                        | 106                                                      | 108                                                       | 108                                                          |
| 366                    | 116                  | 13                   | 41                                                             | 41                                                   | 44                                                            | 41                                                            | 90                                                       | 97                                                        | 70                                                        | 106                                                      | 109                                                       | 108                                                          |
| 367                    | 116                  | 36                   | 41                                                             | 41                                                   | 44                                                            | 41                                                            | 89                                                       | 92                                                        | 71                                                        | 106                                                      | 110                                                       | 109                                                          |
| 368                    | 116                  | 12                   | 40                                                             | 41                                                   | 43                                                            | 42                                                            | 85                                                       | 86                                                        | 65                                                        | 121                                                      | 112                                                       | 107                                                          |
| 369                    | 116                  | 45                   | 41                                                             | 41                                                   | 42                                                            | 41                                                            | 83                                                       | 85                                                        | 64                                                        | 123                                                      | 125                                                       | 97                                                           |
| 370                    | 117                  | 7                    | 41                                                             | 41                                                   | 42                                                            | 41                                                            | 83                                                       | 85                                                        | 64                                                        | 123                                                      | 129                                                       | 95                                                           |
| 371                    | 117                  | 29                   | 41                                                             | 41                                                   | 42                                                            | 41                                                            | 83                                                       | 85                                                        | 64                                                        | 125                                                      | 130                                                       | 94                                                           |
| 372                    | 120                  | 50                   | 41                                                             | 41                                                   | 43                                                            | 41                                                            | 83                                                       | 84                                                        | 64                                                        | 126                                                      | 131                                                       | 93                                                           |
| 373                    | 121                  | 12                   | 41                                                             | 41                                                   | 43                                                            | 41                                                            | 82                                                       | 83                                                        | 64                                                        | 124                                                      | 132                                                       | 104                                                          |
| 374                    | 121                  | 34                   | 41                                                             | 41                                                   | 43                                                            | 40                                                            | 82                                                       | 82                                                        | 64                                                        | 119                                                      | 129                                                       | 111                                                          |
| 375                    | 123                  | 15                   | 41                                                             | 41                                                   | 42                                                            | 40                                                            | 82                                                       | 82                                                        | 64                                                        | 119                                                      | 127                                                       | 116                                                          |
| 376                    | 123                  | 37                   | 41                                                             | 40                                                   | 42                                                            | 41                                                            | 79                                                       | 79                                                        | 61                                                        | 125                                                      | 125                                                       | 106                                                          |
| 377                    | 123                  | 58                   | 41                                                             | 40                                                   | 42                                                            | 41                                                            | 79                                                       | 79                                                        | 62                                                        | 123                                                      | 123                                                       | 105                                                          |
| 378                    | 124                  | 20                   | 40                                                             | 41                                                   | 42                                                            | 41                                                            | 78                                                       | 78                                                        | 61                                                        | 123                                                      | 121                                                       | 105                                                          |
| 379                    | 124                  | 41                   | 40                                                             | 41                                                   | 42                                                            | 41                                                            | 78                                                       | 78                                                        | 61                                                        | 122                                                      | 120                                                       | 104                                                          |
| 380                    | 124                  | 21                   | 40                                                             | 41                                                   | 42                                                            | 41                                                            | 79                                                       | 79                                                        | 61                                                        | 121                                                      | 119                                                       | 104                                                          |
| 381                    | 129                  | 21                   | 41                                                             | 40                                                   | 41                                                            | 41                                                            | 71                                                       | 71                                                        | 54                                                        | 102                                                      | 91                                                        | 88                                                           |
| 382                    | 129                  | 44                   | 41                                                             | 40                                                   | 41                                                            | 40                                                            | 71                                                       | 70                                                        | 54                                                        | 102                                                      | 91                                                        | 87                                                           |
| 383                    | 130                  | 6                    | 41                                                             | 40                                                   | 41                                                            | 40                                                            | 71                                                       | 69                                                        | 54                                                        | 101                                                      | 90                                                        | 86                                                           |
| 384                    | 130                  | 28                   | 41                                                             | 40                                                   | 41                                                            | 40                                                            | 71                                                       | 69                                                        | 54                                                        | 101                                                      | 88                                                        | 86                                                           |
| 385                    | 132                  | 09                   | 41                                                             | 40                                                   | 42                                                            | 40                                                            | 70                                                       | 69                                                        | 53                                                        | 101                                                      | 88                                                        | 86                                                           |

|       |       |      |      |      |      |         |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
|-------|-------|------|------|------|------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| -01   | SLEEP | 4-02 | TIME | 4-03 | TIME | 4-05    | CO-PLY  | 4-06   | CO-PLY | 4-07    | CENTER  | 4-08    | CENTER  | 4-09    | 1STAGE  | 4-10    | 1STAGE  | 4-11    | 1STAGE  | 4-12    | 2STAGE  | 4-14    | 2STAGE  | 4-15    | 2STAGE |
| COUNT |       | MIN. | SEC. |      |      | WINDSHD | WINDSHD | INSIDE | INSIDE | WINDSHD | WINDSHD | PANEL   | INLET   | PUMP    | OUTLET  | PUMP    | SERVO   | SERVO   | SERVO   | HYD.    | HYD.    | AFT     | AFT     | AFT     |        |
|       |       |      |      |      |      | UPPER   | UPPER   | UPPER  | UPPER  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  |        |
|       |       |      |      |      |      | LOWER   | LOWER   | LOWER  | LOWER  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  | INSIDE  |        |
|       |       |      |      |      |      | CENTER  | CENTER  | CENTER | CENTER | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD | WINDSHD |        |
|       |       |      |      |      |      | DEC.C   | DEC.C   | DEC.C  | DEC.C  | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   | DEC.C   |        |
|       |       |      |      |      |      |         |         |        |        |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |        |
| 385   |       | 131  | 11   |      |      | 39      | 40      | 40     | 40     | 42      | 40      | 40      | 70      | 69      | 53      | 100     | 88      | 85      |         |         |         |         |         |         |        |
| 386   |       | 139  | 52   |      |      | 40      | 40      | 40     | 40     | 41      | 41      | 41      | 66      | 65      | 55      | 92      | 76      | 76      |         |         |         |         |         |         |        |
| 387   |       | 140  | 13   |      |      | 41      | 41      | 41     | 41     | 41      | 40      | 40      | 65      | 65      | 55      | 92      | 76      | 75      |         |         |         |         |         |         |        |
| 388   |       | 140  | 35   |      |      | 40      | 40      | 40     | 40     | 42      | 41      | 41      | 66      | 65      | 55      | 92      | 76      | 76      |         |         |         |         |         |         |        |
| 389   |       | 140  | 56   |      |      | 40      | 40      | 40     | 40     | 41      | 41      | 41      | 65      | 65      | 55      | 91      | 75      | 75      |         |         |         |         |         |         |        |
| 390   |       | 141  | 18   |      |      | 40      | 40      | 40     | 40     | 41      | 41      | 41      | 65      | 64      | 54      | 91      | 75      | 75      |         |         |         |         |         |         |        |
| 391   |       | 148  | 56   |      |      | 39      | 39      | 39     | 39     | 41      | 39      | 39      | 62      | 61      | 55      | 85      | 68      | 70      |         |         |         |         |         |         |        |
| 392   |       | 149  | 18   |      |      | 39      | 39      | 39     | 39     | 41      | 39      | 39      | 62      | 60      | 54      | 84      | 67      | 71      |         |         |         |         |         |         |        |
| 393   |       | 149  | 39   |      |      | 39      | 39      | 39     | 39     | 41      | 40      | 40      | 62      | 60      | 54      | 83      | 66      | 70      |         |         |         |         |         |         |        |
| 394   |       | 150  | 1    |      |      | 40      | 40      | 40     | 40     | 41      | 40      | 40      | 62      | 61      | 54      | 83      | 66      | 70      |         |         |         |         |         |         |        |
| 395   |       | 150  | 22   |      |      | 40      | 40      | 40     | 40     | 41      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
| 396   |       | 150  | 44   |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      | 60      | 54      | 82      | 65      | 70      |         |         |         |         |         |         |        |
|       |       |      |      |      |      | 40      | 40      | 40     | 40     | 40      | 40      | 40      | 62      |         |         |         |         |         |         |         |         |         |         |         |        |

HA-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SNEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DES.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DES.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DES.C | 4-19<br>UTIL<br>AFCS 2<br>(PITCH<br>/ ROLL<br>CHAN)<br>DES.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DES.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DES.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DES.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DES.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DES.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DES.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 39                    | 1                    | 9                    | 43                                                            | 41                                                      | 41                                                       | 44                                                           | 43                                                           | 43                                                          | 39                                                       | 40                                                       | 40                                                       | 42                                                        |
| 40                    | 1                    | 52                   | 43                                                            | 41                                                      | 41                                                       | 44                                                           | 43                                                           | 42                                                          | 39                                                       | 39                                                       | 40                                                       | 42                                                        |
| 41                    | 2                    | 13                   | 43                                                            | 41                                                      | 41                                                       | 44                                                           | 43                                                           | 42                                                          | 39                                                       | 39                                                       | 40                                                       | 41                                                        |
| 42                    | 2                    | 35                   | 42                                                            | 41                                                      | 41                                                       | 44                                                           | 43                                                           | 42                                                          | 39                                                       | 39                                                       | 41                                                       | 42                                                        |
| 43                    | 2                    | 56                   | 42                                                            | 41                                                      | 41                                                       | 45                                                           | 43                                                           | 42                                                          | 39                                                       | 39                                                       | 41                                                       | 42                                                        |
| 44                    | 3                    | 18                   | 42                                                            | 41                                                      | 40                                                       | 44                                                           | 43                                                           | 42                                                          | 39                                                       | 39                                                       | 41                                                       | 42                                                        |
| 45                    | 3                    | 39                   | 42                                                            | 41                                                      | 40                                                       | 44                                                           | 43                                                           | 42                                                          | 39                                                       | 39                                                       | 41                                                       | 42                                                        |
| 46                    | 3                    | 39                   | 42                                                            | 41                                                      | 40                                                       | 44                                                           | 43                                                           | 42                                                          | 39                                                       | 40                                                       | 45                                                       | 42                                                        |
| 47                    | 4                    | 1                    | 44                                                            | 43                                                      | 44                                                       | 44                                                           | 43                                                           | 43                                                          | 39                                                       | 40                                                       | 45                                                       | 42                                                        |
| 48                    | 4                    | 22                   | 47                                                            | 43                                                      | 46                                                       | 44                                                           | 43                                                           | 44                                                          | 39                                                       | 40                                                       | 51                                                       | 43                                                        |
| 49                    | 4                    | *                    | 43                                                            | 43                                                      | 47                                                       | 44                                                           | 43                                                           | 44                                                          | 39                                                       | 40                                                       | 54                                                       | 44                                                        |
| 50                    | 5                    | 5                    | 51                                                            | 44                                                      | 48                                                       | 44                                                           | 44                                                           | 44                                                          | 39                                                       | 39                                                       | 56                                                       | 45                                                        |
| 51                    | 5                    | 26                   | 54                                                            | 44                                                      | 50                                                       | 44                                                           | 44                                                           | 45                                                          | 39                                                       | 39                                                       | 59                                                       | 46                                                        |
| 52                    | 5                    | 48                   | 56                                                            | 44                                                      | 50                                                       | 44                                                           | 43                                                           | 46                                                          | 40                                                       | 40                                                       | 61                                                       | 46                                                        |
| 53                    | 6                    | 9                    | 59                                                            | 44                                                      | 51                                                       | 45                                                           | 43                                                           | 45                                                          | 40                                                       | 40                                                       | 64                                                       | 46                                                        |
| 54                    | 6                    | 31                   | 63                                                            | 45                                                      | 52                                                       | 44                                                           | 44                                                           | 47                                                          | 40                                                       | 40                                                       | 64                                                       | 46                                                        |
| 55                    | 6                    | 52                   | 65                                                            | 47                                                      | 55                                                       | 45                                                           | 45                                                           | 47                                                          | 42                                                       | 41                                                       | 66                                                       | 49                                                        |
| 56                    | 7                    | 14                   | 67                                                            | 47                                                      | 55                                                       | 45                                                           | 45                                                           | 48                                                          | 42                                                       | 42                                                       | 68                                                       | 50                                                        |
| 57                    | 7                    | 35                   | 68                                                            | 47                                                      | 55                                                       | 45                                                           | 45                                                           | 48                                                          | 42                                                       | 42                                                       | 68                                                       | 50                                                        |
| 58                    | 7                    | 56                   | 61                                                            | 48                                                      | 56                                                       | 50                                                           | 45                                                           | 49                                                          | 44                                                       | 42                                                       | 69                                                       | 50                                                        |
| 59                    | 8                    | 17                   | 67                                                            | 48                                                      | 56                                                       | 51                                                           | 45                                                           | 50                                                          | 44                                                       | 43                                                       | 71                                                       | 49                                                        |
| 60                    | 8                    | 34                   | 71                                                            | 49                                                      | 57                                                       | 49                                                           | 44                                                           | 50                                                          | 44                                                       | 43                                                       | 71                                                       | 51                                                        |
| 61                    | 8                    | 50                   | 74                                                            | 49                                                      | 57                                                       | 49                                                           | 44                                                           | 50                                                          | 44                                                       | 44                                                       | 71                                                       | 51                                                        |
| 62                    | 9                    | 20                   | 76                                                            | 49                                                      | 59                                                       | 50                                                           | 45                                                           | 50                                                          | 45                                                       | 44                                                       | 72                                                       | 51                                                        |
| 63                    | 9                    | 41                   | 78                                                            | 49                                                      | 59                                                       | 49                                                           | 45                                                           | 50                                                          | 45                                                       | 44                                                       | 72                                                       | 52                                                        |
| 64                    | 10                   | 37                   | 79                                                            | 50                                                      | 60                                                       | 50                                                           | 45                                                           | 51                                                          | 46                                                       | 44                                                       | 74                                                       | 52                                                        |
| 65                    | 10                   | 24                   | 81                                                            | 50                                                      | 60                                                       | 50                                                           | 45                                                           | 51                                                          | 46                                                       | 45                                                       | 74                                                       | 53                                                        |
| 66                    | 10                   | 45                   | 82                                                            | 51                                                      | 60                                                       | 50                                                           | 44                                                           | 51                                                          | 46                                                       | 45                                                       | 74                                                       | 53                                                        |
| 67                    | 11                   | 6                    | 84                                                            | 51                                                      | 61                                                       | 50                                                           | 45                                                           | 51                                                          | 47                                                       | 46                                                       | 74                                                       | 54                                                        |
| 68                    | 11                   | 27                   | 84                                                            | 52                                                      | 61                                                       | 50                                                           | 45                                                           | 50                                                          | 44                                                       | 46                                                       | 74                                                       | 53                                                        |
| 69                    | 11                   | 48                   | 85                                                            | 52                                                      | 61                                                       | 50                                                           | 45                                                           | 50                                                          | *                                                        | 46                                                       | 75                                                       | 53                                                        |
| 70                    | 12                   | 9                    | 87                                                            | 52                                                      | 62                                                       | 51                                                           | 45                                                           | 51                                                          | 48                                                       | 50                                                       | 75                                                       | 56                                                        |
| 71                    | 12                   | 21                   | 87                                                            | 52                                                      | 61                                                       | 51                                                           | 45                                                           | 51                                                          | 49                                                       | 49                                                       | 77                                                       | 56                                                        |
| 72                    | 12                   | 52                   | 88                                                            | 54                                                      | 60                                                       | 52                                                           | 45                                                           | 50                                                          | 48                                                       | 48                                                       | 77                                                       | 56                                                        |
| 73                    | 13                   | 13                   | 89                                                            | 54                                                      | 61                                                       | 52                                                           | 45                                                           | 51                                                          | 50                                                       | 48                                                       | 76                                                       | 56                                                        |
| 74                    | 13                   | 34                   | 90                                                            | 54                                                      | 64                                                       | 52                                                           | 45                                                           | 51                                                          | 51                                                       | 48                                                       | 76                                                       | 62                                                        |
| 75                    | 13                   | 55                   | 91                                                            | 56                                                      | 63                                                       | 52                                                           | 45                                                           | 51                                                          | 51                                                       | 51                                                       | 86                                                       | 60                                                        |
| 76                    | 13                   | 16                   | 91                                                            | 56                                                      | 64                                                       | 52                                                           | 45                                                           | 51                                                          | 52                                                       | 50                                                       | 82                                                       | 62                                                        |
| 77                    | 14                   | 36                   | 92                                                            | 59                                                      | 65                                                       | 52                                                           | 45                                                           | 51                                                          | 52                                                       | 50                                                       | 81                                                       | 58                                                        |
| 78                    | 14                   | 59                   | 94                                                            | 59                                                      | 66                                                       | 53                                                           | 45                                                           | 52                                                          | 53                                                       | 51                                                       | 81                                                       | 59                                                        |
| 79                    | 15                   | 20                   | 94                                                            | 59                                                      | 66                                                       | 53                                                           | 45                                                           | 52                                                          | 53                                                       | 51                                                       | 81                                                       | 57                                                        |
| 80                    | 15                   | 41                   | 95                                                            | 59                                                      | 67                                                       | 54                                                           | 46                                                           | 51                                                          | 54                                                       | 52                                                       | 80                                                       | 57                                                        |
| 81                    | 16                   | 2                    | 96                                                            | 59                                                      | 65                                                       | 54                                                           | 45                                                           | 51                                                          | 56                                                       | 55                                                       | 91                                                       | 57                                                        |
| 82                    | 16                   | 23                   | 96                                                            | 60                                                      | 65                                                       | 54                                                           | 45                                                           | 51                                                          | 57                                                       | 53                                                       | 89                                                       | 66                                                        |
| 83                    | 16                   | 41                   | 97                                                            | 61                                                      | 66                                                       | 54                                                           | 45                                                           | 52                                                          | 57                                                       | 54                                                       | 85                                                       | 58                                                        |

| 01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP.<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP.<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|----------------------|----------------------|----------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 84                   | 17                   | 5                    | 98                                                            | 60                                                       | 64                                                        | 55                                                           | 46                                                            | 52                                                           | 59                                                       | 54                                                        | 83                                                       | 58                                                        |
| 85                   | 17                   | 27                   | 98                                                            | 59                                                       | 78                                                        | 55                                                           | 46                                                            | 52                                                           | 58                                                       | 54                                                        | 83                                                       | 59                                                        |
| 86                   | 17                   | 48                   | 94                                                            | 61                                                       | 69                                                        | 55                                                           | 46                                                            | 52                                                           | 59                                                       | 55                                                        | 84                                                       | 59                                                        |
| 87                   | 18                   | 9                    | 89                                                            | 60                                                       | 70                                                        | 56                                                           | 46                                                            | 52                                                           | 59                                                       | 56                                                        | 84                                                       | 60                                                        |
| 88                   | 18                   | 30                   | 96                                                            | 60                                                       | 73                                                        | 56                                                           | 46                                                            | 52                                                           | 59                                                       | 55                                                        | 85                                                       | 59                                                        |
| 89                   | *                    | *                    | 95                                                            | 60                                                       | 73                                                        | 56                                                           | 46                                                            | 52                                                           | 60                                                       | 55                                                        | 83                                                       | 59                                                        |
| 90                   | 19                   | 12                   | 95                                                            | 59                                                       | 69                                                        | 56                                                           | 45                                                            | 51                                                           | 59                                                       | 55                                                        | 83                                                       | 58                                                        |
| 91                   | 19                   | 33                   | 94                                                            | 68                                                       | 70                                                        | 57                                                           | 46                                                            | 51                                                           | 60                                                       | 55                                                        | 83                                                       | 59                                                        |
| 92                   | *                    | *                    | 100                                                           | 59                                                       | 69                                                        | 57                                                           | 46                                                            | 51                                                           | 62                                                       | 60                                                        | 90                                                       | 67                                                        |
| 93                   | 20                   | 12                   | 99                                                            | 61                                                       | 68                                                        | 58                                                           | 46                                                            | 51                                                           | 63                                                       | 58                                                        | 91                                                       | 71                                                        |
| 94                   | 20                   | 37                   | 94                                                            | 62                                                       | 69                                                        | 58                                                           | 46                                                            | 50                                                           | 62                                                       | 58                                                        | 86                                                       | 64                                                        |
| 95                   | 19                   | 6                    | 101                                                           | 63                                                       | 70                                                        | 59                                                           | 46                                                            | 51                                                           | 63                                                       | 59                                                        | 85                                                       | 61                                                        |
| 96                   | 21                   | 18                   | 99                                                            | 62                                                       | 71                                                        | 58                                                           | 45                                                            | 50                                                           | 63                                                       | 58                                                        | 84                                                       | 59                                                        |
| 97                   | 21                   | 39                   | 100                                                           | 61                                                       | 71                                                        | 59                                                           | 46                                                            | 50                                                           | 64                                                       | 59                                                        | 83                                                       | 59                                                        |
| 98                   | 22                   | 0                    | 99                                                            | 60                                                       | 71                                                        | 59                                                           | 45                                                            | 49                                                           | 64                                                       | 59                                                        | 83                                                       | 59                                                        |
| 99                   | 22                   | 42                   | 98                                                            | 61                                                       | 72                                                        | 59                                                           | 46                                                            | 50                                                           | 64                                                       | 59                                                        | 84                                                       | 59                                                        |
| 100                  | 23                   | 3                    | 100                                                           | 60                                                       | 71                                                        | 60                                                           | 46                                                            | 49                                                           | 65                                                       | 60                                                        | 85                                                       | 60                                                        |
| 101                  | 23                   | 24                   | 100                                                           | 59                                                       | 71                                                        | 59                                                           | 45                                                            | 49                                                           | 65                                                       | 59                                                        | 84                                                       | 59                                                        |
| 102                  | 23                   | 45                   | 100                                                           | 60                                                       | 72                                                        | 60                                                           | 46                                                            | 49                                                           | 65                                                       | 60                                                        | 83                                                       | 60                                                        |
| 103                  | 23                   | 65                   | 100                                                           | 59                                                       | 71                                                        | 59                                                           | 46                                                            | 49                                                           | 64                                                       | 60                                                        | 83                                                       | 60                                                        |
| 104                  | 24                   | 6                    | 101                                                           | 59                                                       | 71                                                        | 60                                                           | 46                                                            | 49                                                           | 65                                                       | 61                                                        | 84                                                       | 59                                                        |
| 105                  | 24                   | 27                   | 100                                                           | 59                                                       | 71                                                        | 60                                                           | 46                                                            | 49                                                           | 67                                                       | 60                                                        | 83                                                       | 59                                                        |
| 106                  | 24                   | 48                   | 100                                                           | 59                                                       | 70                                                        | 60                                                           | 46                                                            | 49                                                           | 65                                                       | 61                                                        | 83                                                       | 59                                                        |
| 107                  | 25                   | 9                    | 101                                                           | 59                                                       | 70                                                        | 61                                                           | 45                                                            | 49                                                           | 66                                                       | 61                                                        | 83                                                       | 60                                                        |
| 108                  | 25                   | 30                   | 99                                                            | 59                                                       | 71                                                        | 61                                                           | 45                                                            | 49                                                           | 66                                                       | 61                                                        | 83                                                       | 60                                                        |
| 109                  | 26                   | 51                   | 100                                                           | 59                                                       | 72                                                        | 61                                                           | 45                                                            | 49                                                           | 66                                                       | 61                                                        | 83                                                       | 62                                                        |
| 110                  | 26                   | 12                   | 101                                                           | 59                                                       | 71                                                        | 61                                                           | 45                                                            | 49                                                           | 66                                                       | 61                                                        | 83                                                       | 63                                                        |
| 111                  | 26                   | 33                   | 102                                                           | 59                                                       | 72                                                        | 62                                                           | 46                                                            | 50                                                           | 67                                                       | 62                                                        | 83                                                       | 62                                                        |
| 112                  | 26                   | 54                   | 102                                                           | 60                                                       | 71                                                        | 62                                                           | 46                                                            | 50                                                           | 68                                                       | 61                                                        | 83                                                       | 62                                                        |
| 113                  | 27                   | 15                   | 102                                                           | 60                                                       | 73                                                        | 62                                                           | 46                                                            | 50                                                           | 67                                                       | 61                                                        | 84                                                       | 63                                                        |
| 114                  | 27                   | 36                   | 102                                                           | 61                                                       | 72                                                        | 62                                                           | 46                                                            | 50                                                           | 68                                                       | 62                                                        | 84                                                       | 64                                                        |
| 115                  | 27                   | 57                   | 102                                                           | 61                                                       | 72                                                        | 63                                                           | 46                                                            | 50                                                           | 68                                                       | 62                                                        | 85                                                       | 65                                                        |
| 116                  | 28                   | 18                   | 102                                                           | 61                                                       | 72                                                        | 63                                                           | 46                                                            | 50                                                           | 68                                                       | 63                                                        | 85                                                       | 65                                                        |
| 117                  | 28                   | 40                   | 103                                                           | 61                                                       | 72                                                        | 64                                                           | 46                                                            | 50                                                           | 68                                                       | 63                                                        | 85                                                       | 65                                                        |
| 118                  | 29                   | 1                    | 103                                                           | 62                                                       | 73                                                        | 64                                                           | 46                                                            | 50                                                           | 69                                                       | 64                                                        | 85                                                       | 64                                                        |
| 119                  | 29                   | 22                   | 103                                                           | 62                                                       | 73                                                        | 64                                                           | 44                                                            | 49                                                           | 69                                                       | 64                                                        | 85                                                       | 64                                                        |
| 120                  | 29                   | 43                   | 103                                                           | 63                                                       | 74                                                        | 65                                                           | 44                                                            | 49                                                           | 69                                                       | 64                                                        | 85                                                       | 65                                                        |
| 121                  | 30                   | 4                    | 102                                                           | 63                                                       | 74                                                        | 65                                                           | 44                                                            | 48                                                           | 69                                                       | 63                                                        | 85                                                       | 64                                                        |
| 122                  | 30                   | 25                   | 102                                                           | 63                                                       | 73                                                        | 65                                                           | 44                                                            | 48                                                           | 68                                                       | 63                                                        | 85                                                       | 64                                                        |
| 123                  | 30                   | 46                   | 101                                                           | 63                                                       | 74                                                        | 65                                                           | 43                                                            | 47                                                           | 69                                                       | 63                                                        | 85                                                       | 65                                                        |
| 124                  | 31                   | 7                    | 101                                                           | 63                                                       | 74                                                        | 65                                                           | 43                                                            | 46                                                           | 69                                                       | 64                                                        | 85                                                       | 66                                                        |
| 125                  | 31                   | 28                   | 102                                                           | 64                                                       | 74                                                        | 66                                                           | 43                                                            | 47                                                           | 69                                                       | 64                                                        | 85                                                       | 66                                                        |
| 126                  | 31                   | 50                   | 102                                                           | 64                                                       | 74                                                        | 66                                                           | 42                                                            | 45                                                           | 69                                                       | 64                                                        | 85                                                       | 67                                                        |
| 127                  | 32                   | 11                   | 101                                                           | 64                                                       | 75                                                        | 66                                                           | 42                                                            | 45                                                           | 69                                                       | 64                                                        | 85                                                       | 67                                                        |
| 128                  | 32                   | 32                   | 101                                                           | 64                                                       | 75                                                        | 66                                                           | 42                                                            | 45                                                           | 69                                                       | 64                                                        | 85                                                       | 66                                                        |
| 129                  | 32                   | 53                   | 102                                                           | 65                                                       | 75                                                        | 66                                                           | 42                                                            | 45                                                           | 68                                                       | 64                                                        | 85                                                       | 66                                                        |
| 130                  | 33                   | 14                   | 102                                                           | 65                                                       | 76                                                        | 66                                                           | 42                                                            | 45                                                           | 69                                                       | 64                                                        | 86                                                       | 67                                                        |
| 131                  | 33                   | 35                   | 102                                                           | 64                                                       | 75                                                        | 66                                                           | 42                                                            | 44                                                           | 69                                                       | 64                                                        | 85                                                       | 66                                                        |
| 132                  | 33                   | 56                   | 102                                                           | 65                                                       | 75                                                        | 67                                                           | 42                                                            | 44                                                           | 69                                                       | 64                                                        | 85                                                       | 66                                                        |
| 133                  | 34                   | 17                   | 102                                                           | 65                                                       | 75                                                        | 67                                                           | 42                                                            | 44                                                           | 69                                                       | 64                                                        | 85                                                       | 67                                                        |
| 134                  | 34                   | 38                   | 102                                                           | 65                                                       | 74                                                        | 68                                                           | 42                                                            | 44                                                           | 69                                                       | 64                                                        | 85                                                       | 68                                                        |



| -01<br>SNEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFOS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-19<br>UTIL.<br>AFOS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>INSTAGE<br>INLET<br>TEMP.<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP.<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP.<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 135                   | 35                   | 0                    | 102                                                           | 65                                                       | 76                                                        | 67                                                           | 42                                                             | 44                                                           | 59                                                       | 63                                                        | 85                                                       | 67                                                        |
| 136                   | 35                   | 21                   | 102                                                           | 65                                                       | 76                                                        | 67                                                           | 42                                                             | 44                                                           | 69                                                       | 63                                                        | 85                                                       | 67                                                        |
| 137                   | 35                   | 42                   | 103                                                           | 65                                                       | 76                                                        | 66                                                           | 42                                                             | 43                                                           | 70                                                       | 63                                                        | 85                                                       | 68                                                        |
| 138                   | 36                   | 4                    | 102                                                           | 66                                                       | 76                                                        | 68                                                           | 42                                                             | 43                                                           | 70                                                       | 64                                                        | 85                                                       | 68                                                        |
| 139                   | 36                   | 22                   | 102                                                           | 66                                                       | 77                                                        | 68                                                           | 42                                                             | 44                                                           | 70                                                       | 64                                                        | 85                                                       | 69                                                        |
| 140                   | 36                   | 46                   | 102                                                           | 66                                                       | 77                                                        | 68                                                           | 42                                                             | 43                                                           | 70                                                       | 65                                                        | 86                                                       | 69                                                        |
| 141                   | 37                   | 7                    | 103                                                           | 67                                                       | 77                                                        | 68                                                           | 42                                                             | 44                                                           | 70                                                       | 64                                                        | 86                                                       | 69                                                        |
| 142                   | 37                   | 28                   | 103                                                           | 67                                                       | 77                                                        | 69                                                           | 42                                                             | 44                                                           | 71                                                       | 64                                                        | 87                                                       | 69                                                        |
| 143                   | 37                   | 49                   | 103                                                           | 68                                                       | 77                                                        | 69                                                           | 42                                                             | 44                                                           | 71                                                       | 65                                                        | *                                                        | *                                                         |
| 144                   | 38                   | 31                   | 104                                                           | 67                                                       | 78                                                        | 69                                                           | 42                                                             | 45                                                           | 70                                                       | 64                                                        | 87                                                       | 68                                                        |
| 145                   | 38                   | 32                   | 104                                                           | 67                                                       | 78                                                        | 69                                                           | 42                                                             | 45                                                           | 70                                                       | 64                                                        | 87                                                       | 68                                                        |
| 146                   | 38                   | 53                   | 105                                                           | 68                                                       | 78                                                        | 69                                                           | 43                                                             | 46                                                           | 71                                                       | 65                                                        | 88                                                       | 68                                                        |
| 147                   | 39                   | 14                   | 105                                                           | 68                                                       | 79                                                        | 70                                                           | 43                                                             | 45                                                           | 71                                                       | 65                                                        | 88                                                       | 68                                                        |
| 148                   | 39                   | 35                   | 103                                                           | 67                                                       | 79                                                        | 70                                                           | 44                                                             | 45                                                           | 71                                                       | 65                                                        | 88                                                       | 68                                                        |
| 149                   | 39                   | 56                   | 102                                                           | 68                                                       | 79                                                        | 69                                                           | 43                                                             | 46                                                           | 70                                                       | 65                                                        | 88                                                       | 65                                                        |
| 150                   | 40                   | 17                   | 102                                                           | 66                                                       | 78                                                        | 69                                                           | 43                                                             | 46                                                           | 70                                                       | 64                                                        | 87                                                       | 64                                                        |
| 151                   | 40                   | 38                   | 103                                                           | 66                                                       | 79                                                        | 69                                                           | 44                                                             | 46                                                           | 69                                                       | 64                                                        | 86                                                       | 61                                                        |
| 152                   | 40                   | 59                   | 101                                                           | 65                                                       | 78                                                        | 69                                                           | 43                                                             | 46                                                           | 69                                                       | 63                                                        | 87                                                       | 63                                                        |
| 153                   | 41                   | 21                   | 104                                                           | 64                                                       | 77                                                        | 69                                                           | 43                                                             | 47                                                           | 69                                                       | 64                                                        | 86                                                       | 62                                                        |
| 154                   | 41                   | 42                   | 102                                                           | 65                                                       | 77                                                        | 69                                                           | 43                                                             | 46                                                           | 69                                                       | 64                                                        | 86                                                       | 65                                                        |
| 155                   | 42                   | 3                    | 101                                                           | 64                                                       | 77                                                        | 69                                                           | 45                                                             | 47                                                           | 63                                                       | 64                                                        | 85                                                       | 62                                                        |
| 156                   | 42                   | 24                   | 101                                                           | 64                                                       | 77                                                        | 70                                                           | 45                                                             | 48                                                           | 68                                                       | 64                                                        | 86                                                       | 59                                                        |
| 157                   | 42                   | 45                   | 100                                                           | 64                                                       | 76                                                        | 69                                                           | 45                                                             | 48                                                           | 68                                                       | 65                                                        | 86                                                       | 59                                                        |
| 158                   | 43                   | 6                    | 93                                                            | 63                                                       | 76                                                        | 70                                                           | 44                                                             | 48                                                           | 67                                                       | 66                                                        | 85                                                       | 60                                                        |
| 159                   | 43                   | 27                   | 95                                                            | 64                                                       | 76                                                        | 69                                                           | 45                                                             | 48                                                           | 64                                                       | 63                                                        | 85                                                       | 64                                                        |
| 160                   | 43                   | 48                   | 96                                                            | 63                                                       | 76                                                        | 69                                                           | 45                                                             | 48                                                           | 68                                                       | 63                                                        | 85                                                       | 59                                                        |
| 161                   | 44                   | 9                    | 96                                                            | 63                                                       | 76                                                        | 69                                                           | 44                                                             | 48                                                           | 67                                                       | 62                                                        | 84                                                       | 62                                                        |
| 162                   | 44                   | 30                   | 96                                                            | 62                                                       | 75                                                        | 61                                                           | 44                                                             | 46                                                           | 68                                                       | 62                                                        | 84                                                       | 65                                                        |
| 163                   | 44                   | 52                   | 100                                                           | 63                                                       | 75                                                        | 61                                                           | 45                                                             | 47                                                           | 68                                                       | 62                                                        | 85                                                       | 66                                                        |
| 164                   | 45                   | 13                   | *                                                             | *                                                        | 75                                                        | 61                                                           | 45                                                             | 46                                                           | 67                                                       | 63                                                        | 85                                                       | 67                                                        |
| 165                   | 45                   | 34                   | 99                                                            | 64                                                       | 75                                                        | 63                                                           | 45                                                             | 47                                                           | 68                                                       | 63                                                        | 85                                                       | 67                                                        |
| 166                   | 45                   | 55                   | 100                                                           | 64                                                       | 75                                                        | 63                                                           | 44                                                             | 48                                                           | 68                                                       | 64                                                        | 85                                                       | 66                                                        |
| 167                   | 46                   | 16                   | 101                                                           | 64                                                       | 75                                                        | 69                                                           | 44                                                             | 47                                                           | 68                                                       | 64                                                        | 85                                                       | 65                                                        |
| 168                   | 46                   | 37                   | 100                                                           | 65                                                       | 75                                                        | 69                                                           | 44                                                             | 47                                                           | 68                                                       | 64                                                        | 86                                                       | 61                                                        |
| 169                   | 46                   | 58                   | 101                                                           | 64                                                       | 76                                                        | 69                                                           | 44                                                             | 47                                                           | 67                                                       | 64                                                        | 86                                                       | 60                                                        |
| 170                   | 47                   | 19                   | 99                                                            | 64                                                       | 76                                                        | 68                                                           | 44                                                             | 47                                                           | 67                                                       | 63                                                        | 85                                                       | 59                                                        |
| 171                   | 47                   | 40                   | 99                                                            | 63                                                       | 76                                                        | 68                                                           | 44                                                             | 47                                                           | 67                                                       | 63                                                        | 86                                                       | 58                                                        |
| 172                   | 47                   | 55                   | 98                                                            | 62                                                       | 75                                                        | 68                                                           | 43                                                             | 46                                                           | 68                                                       | 63                                                        | 85                                                       | 61                                                        |
| 173                   | 48                   | 2                    | 98                                                            | 62                                                       | 75                                                        | 68                                                           | 43                                                             | 46                                                           | 66                                                       | 63                                                        | 85                                                       | 59                                                        |
| 174                   | 48                   | 48                   | 98                                                            | 62                                                       | 75                                                        | 68                                                           | 43                                                             | 46                                                           | 66                                                       | 62                                                        | 85                                                       | 58                                                        |
| 175                   | 48                   | 44                   | 98                                                            | 62                                                       | 75                                                        | 68                                                           | 43                                                             | 46                                                           | 66                                                       | 62                                                        | 85                                                       | 61                                                        |
| 176                   | 49                   | 5                    | 98                                                            | 62                                                       | 75                                                        | 69                                                           | 44                                                             | 47                                                           | 66                                                       | 62                                                        | 85                                                       | 61                                                        |
| 177                   | 49                   | 26                   | 98                                                            | 62                                                       | 75                                                        | 68                                                           | 43                                                             | 46                                                           | 68                                                       | 62                                                        | 85                                                       | 61                                                        |
| 178                   | 49                   | 47                   | 97                                                            | 62                                                       | 74                                                        | 68                                                           | 43                                                             | 46                                                           | 66                                                       | 62                                                        | 85                                                       | 60                                                        |
| 179                   | 50                   | 50                   | 97                                                            | 61                                                       | 74                                                        | 67                                                           | 43                                                             | 45                                                           | 66                                                       | 62                                                        | 85                                                       | 61                                                        |
| 180                   | 50                   | 51                   | 98                                                            | 61                                                       | 74                                                        | 68                                                           | 42                                                             | 45                                                           | 66                                                       | 62                                                        | 85                                                       | 60                                                        |
| 181                   | 51                   | 12                   | 96                                                            | 61                                                       | 73                                                        | 67                                                           | 42                                                             | 45                                                           | 66                                                       | 62                                                        | 82                                                       | 62                                                        |
| 182                   | 51                   | 33                   | 97                                                            | 61                                                       | 72                                                        | 67                                                           | 42                                                             | 44                                                           | 66                                                       | 61                                                        | 81                                                       | 61                                                        |
| 183                   | 51                   | 54                   | 98                                                            | 61                                                       | 73                                                        | 67                                                           | 42                                                             | 45                                                           | 67                                                       | 61                                                        | 83                                                       | 59                                                        |
| 184                   | 52                   | 15                   | 97                                                            | 60                                                       | 72                                                        | 69                                                           | 42                                                             | 45                                                           | 66                                                       | 61                                                        | 83                                                       | 59                                                        |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP.<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP.<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|
| 185                   | 52                   | 36                   | 98                                                            | 61                                                       | 72                                                        | 68                                                           | 44                                                            | 45                                                           | 66                                                       | 61                                                        | 70                                                                | 58                                                                 |
| 186                   | 52                   | 57                   | 98                                                            | 61                                                       | 67                                                        | 66                                                           | 44                                                            | 45                                                           | 66                                                       | 63                                                        | 70                                                                | 63                                                                 |
| 187                   | 53                   | 18                   | 98                                                            | 61                                                       | 67                                                        | 66                                                           | 44                                                            | 45                                                           | 66                                                       | 62                                                        | 72                                                                | 63                                                                 |
| 188                   | 53                   | 39                   | 98                                                            | 63                                                       | 68                                                        | 66                                                           | 43                                                            | 45                                                           | 66                                                       | 62                                                        | 73                                                                | 65                                                                 |
| 189                   | 54                   | 0                    | 99                                                            | 64                                                       | 69                                                        | 66                                                           | 43                                                            | 45                                                           | 66                                                       | 62                                                        | 74                                                                | 67                                                                 |
| 190                   | 54                   | 22                   | 99                                                            | 65                                                       | 71                                                        | 67                                                           | 44                                                            | 44                                                           | 66                                                       | 62                                                        | 76                                                                | 62                                                                 |
| 191                   | 54                   | 43                   | 99                                                            | 65                                                       | 69                                                        | 66                                                           | 44                                                            | 45                                                           | 66                                                       | 62                                                        | 75                                                                | 67                                                                 |
| 192                   | 55                   | 4                    | 99                                                            | 65                                                       | 70                                                        | 66                                                           | 44                                                            | 44                                                           | 66                                                       | 62                                                        | 75                                                                | 67                                                                 |
| 193                   | 55                   | 25                   | 99                                                            | 66                                                       | 71                                                        | 66                                                           | 44                                                            | 45                                                           | 66                                                       | 62                                                        | 75                                                                | 68                                                                 |
| 194                   | 55                   | 46                   | 99                                                            | 66                                                       | 71                                                        | 67                                                           | 44                                                            | 45                                                           | 65                                                       | 62                                                        | 77                                                                | 68                                                                 |
| 195                   | 56                   | 7                    | 99                                                            | 66                                                       | 72                                                        | 67                                                           | 44                                                            | 45                                                           | 64                                                       | 62                                                        | 81                                                                | 62                                                                 |
| 196                   | 56                   | 28                   | 99                                                            | 66                                                       | 73                                                        | 67                                                           | 44                                                            | 45                                                           | 64                                                       | 61                                                        | 80                                                                | 66                                                                 |
| 197                   | 56                   | 49                   | 99                                                            | 65                                                       | 74                                                        | 66                                                           | 43                                                            | 44                                                           | 64                                                       | 61                                                        | 82                                                                | 56                                                                 |
| 198                   | 57                   | 10                   | 99                                                            | 64                                                       | 72                                                        | 66                                                           | 44                                                            | 45                                                           | 65                                                       | 61                                                        | 83                                                                | 56                                                                 |
| 199                   | 57                   | 31                   | 99                                                            | 63                                                       | 73                                                        | 65                                                           | 45                                                            | 45                                                           | 64                                                       | 61                                                        | 82                                                                | 57                                                                 |
| 200                   | 57                   | 52                   | 99                                                            | 63                                                       | 74                                                        | 66                                                           | 44                                                            | 45                                                           | 64                                                       | 61                                                        | 83                                                                | 61                                                                 |
| 201                   | 58                   | 13                   | 99                                                            | 62                                                       | 74                                                        | 66                                                           | 45                                                            | 46                                                           | 64                                                       | 61                                                        | 84                                                                | 61                                                                 |
| 202                   | 58                   | 34                   | 99                                                            | 63                                                       | 74                                                        | 65                                                           | 45                                                            | 46                                                           | 64                                                       | 62                                                        | 83                                                                | 64                                                                 |
| 203                   | 58                   | 55                   | 100                                                           | 62                                                       | 75                                                        | 66                                                           | 45                                                            | 48                                                           | 64                                                       | 61                                                        | 83                                                                | 63                                                                 |
| 204                   | 59                   | 16                   | 100                                                           | 62                                                       | 73                                                        | 66                                                           | 43                                                            | 48                                                           | 65                                                       | 62                                                        | 84                                                                | 62                                                                 |
| 205                   | 59                   | 37                   | 100                                                           | 62                                                       | 74                                                        | 66                                                           | 48                                                            | 49                                                           | 65                                                       | 62                                                        | 85                                                                | 62                                                                 |
| 206                   | 59                   | 58                   | 100                                                           | 62                                                       | 74                                                        | 66                                                           | 48                                                            | 50                                                           | 65                                                       | 62                                                        | 85                                                                | 63                                                                 |
| 207                   | 60                   | 20                   | 101                                                           | 62                                                       | 74                                                        | 66                                                           | 49                                                            | 50                                                           | 65                                                       | 62                                                        | 85                                                                | 64                                                                 |
| 208                   | 60                   | 41                   | 101                                                           | 63                                                       | 74                                                        | 66                                                           | 48                                                            | 50                                                           | 65                                                       | 62                                                        | 85                                                                | 64                                                                 |
| 209                   | 61                   | 2                    | 101                                                           | 63                                                       | 75                                                        | 66                                                           | 47                                                            | 50                                                           | 66                                                       | 62                                                        | 85                                                                | 64                                                                 |
| 210                   | 61                   | 23                   | 101                                                           | 63                                                       | 75                                                        | 66                                                           | 47                                                            | 49                                                           | 66                                                       | 62                                                        | 86                                                                | 62                                                                 |
| 211                   | 61                   | 44                   | 101                                                           | 63                                                       | 74                                                        | 66                                                           | 46                                                            | 50                                                           | 66                                                       | 62                                                        | 85                                                                | 60                                                                 |
| 212                   | 62                   | 5                    | 100                                                           | 63                                                       | 73                                                        | 65                                                           | 46                                                            | 50                                                           | 66                                                       | 62                                                        | 85                                                                | 60                                                                 |
| 213                   | 62                   | 26                   | 100                                                           | 62                                                       | 74                                                        | 66                                                           | 45                                                            | 49                                                           | 65                                                       | 62                                                        | 85                                                                | 60                                                                 |
| 214                   | 62                   | 47                   | 100                                                           | 62                                                       | 75                                                        | 67                                                           | 46                                                            | 48                                                           | 66                                                       | 62                                                        | 85                                                                | 59                                                                 |
| 215                   | 63                   | 8                    | 101                                                           | 62                                                       | 74                                                        | 66                                                           | 45                                                            | 49                                                           | 66                                                       | 62                                                        | 85                                                                | 59                                                                 |
| 216                   | 63                   | 29                   | 101                                                           | 61                                                       | 74                                                        | 66                                                           | 45                                                            | 49                                                           | 66                                                       | 62                                                        | 85                                                                | 60                                                                 |
| 217                   | 63                   | 51                   | 101                                                           | 61                                                       | 69                                                        | 66                                                           | 45                                                            | 49                                                           | 65                                                       | 62                                                        | 78                                                                | 60                                                                 |
| 218                   | 64                   | 12                   | 101                                                           | 62                                                       | 69                                                        | 66                                                           | 44                                                            | 49                                                           | 65                                                       | 62                                                        | 72                                                                | 65                                                                 |
| 219                   | 64                   | 33                   | 101                                                           | 65                                                       | 73                                                        | 67                                                           | 45                                                            | 48                                                           | 65                                                       | 62                                                        | 74                                                                | 67                                                                 |
| 220                   | 64                   | 54                   | 99                                                            | 66                                                       | 71                                                        | 66                                                           | 44                                                            | 48                                                           | 64                                                       | 61                                                        | 76                                                                | 68                                                                 |
| 221                   | 65                   | 15                   | 100                                                           | 66                                                       | 72                                                        | 67                                                           | 44                                                            | 48                                                           | 64                                                       | 61                                                        | 76                                                                | 69                                                                 |
| 222                   | 65                   | 36                   | 99                                                            | 66                                                       | 72                                                        | 66                                                           | 44                                                            | 48                                                           | 65                                                       | 62                                                        | 81                                                                | 65                                                                 |
| 223                   | 65                   | 57                   | 99                                                            | 66                                                       | 73                                                        | 66                                                           | 44                                                            | 48                                                           | 65                                                       | 61                                                        | 82                                                                | 61                                                                 |
| 224                   | 66                   | 18                   | 99                                                            | 66                                                       | 71                                                        | 66                                                           | 45                                                            | 47                                                           | 65                                                       | 62                                                        | 72                                                                | 64                                                                 |
| 225                   | 66                   | 39                   | 100                                                           | 65                                                       | 71                                                        | 66                                                           | 45                                                            | 48                                                           | 65                                                       | 61                                                        | 75                                                                | 69                                                                 |
| 226                   | 67                   | 1                    | 99                                                            | 67                                                       | 72                                                        | 65                                                           | 45                                                            | 48                                                           | 65                                                       | 62                                                        | 75                                                                | 68                                                                 |
| 227                   | 67                   | 22                   | 99                                                            | 68                                                       | 73                                                        | 66                                                           | 44                                                            | 48                                                           | 65                                                       | 62                                                        | 76                                                                | 68                                                                 |
| 228                   | 67                   | 43                   | 99                                                            | 66                                                       | 74                                                        | 66                                                           | 44                                                            | 48                                                           | 66                                                       | 61                                                        | 78                                                                | 62                                                                 |
| 229                   | 67                   | 64                   | 99                                                            | 66                                                       | 75                                                        | 66                                                           | 44                                                            | 47                                                           | 66                                                       | 61                                                        | 78                                                                | 62                                                                 |
| 230                   | 68                   | 25                   | 99                                                            | 65                                                       | 73                                                        | 65                                                           | 44                                                            | 47                                                           | 64                                                       | 62                                                        | 82                                                                | 58                                                                 |
| 231                   | 68                   | 46                   | 99                                                            | 65                                                       | 74                                                        | 65                                                           | 44                                                            | 47                                                           | 64                                                       | 61                                                        | 83                                                                | 58                                                                 |
| 232                   | 68                   | 67                   | 99                                                            | 64                                                       | 73                                                        | 66                                                           | 45                                                            | 48                                                           | 64                                                       | 61                                                        | 85                                                                | 58                                                                 |
| 233                   | 69                   | 8                    | 99                                                            | 63                                                       | 72                                                        | 65                                                           | 45                                                            | 48                                                           | 64                                                       | 61                                                        | 85                                                                | 57                                                                 |
| 234                   | 69                   | 29                   | 99                                                            | 63                                                       | 72                                                        | 65                                                           | 45                                                            | 48                                                           | 64                                                       | 61                                                        | 85                                                                | 57                                                                 |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 235                   | 70                   | 10                   | 94                                                            | 61                                                      | 73                                                       | 63                                                            | 46                                                           | 48                                                          | 62                                                       | 59                                                       | 83                                                       | 53                                                        |
| 236                   | 70                   | 31                   | 95                                                            | 60                                                      | 73                                                       | 63                                                            | 47                                                           | 48                                                          | 62                                                       | 59                                                       | 83                                                       | 54                                                        |
| 237                   | 70                   | 52                   | 94                                                            | 60                                                      | 74                                                       | 63                                                            | 48                                                           | 48                                                          | 63                                                       | 59                                                       | 85                                                       | 54                                                        |
| 238                   | 71                   | 13                   | 94                                                            | 59                                                      | 73                                                       | 63                                                            | 48                                                           | 48                                                          | 62                                                       | 61                                                       | 85                                                       | 55                                                        |
| 239                   | 71                   | 34                   | 96                                                            | 59                                                      | 73                                                       | 63                                                            | 49                                                           | 48                                                          | 63                                                       | 59                                                       | 84                                                       | 55                                                        |
| 240                   | 71                   | 55                   | 94                                                            | 58                                                      | 72                                                       | 62                                                            | 48                                                           | 47                                                          | 63                                                       | 59                                                       | 83                                                       | 54                                                        |
| 241                   | 72                   | 16                   | 93                                                            | 57                                                      | 71                                                       | 61                                                            | 48                                                           | 47                                                          | 62                                                       | 59                                                       | 83                                                       | 53                                                        |
| 242                   | 72                   | 37                   | 94                                                            | 57                                                      | 72                                                       | 61                                                            | 48                                                           | 48                                                          | 62                                                       | 59                                                       | 83                                                       | 54                                                        |
| 243                   | 72                   | 58                   | 94                                                            | 56                                                      | 72                                                       | 61                                                            | 49                                                           | 48                                                          | 62                                                       | 59                                                       | 83                                                       | 54                                                        |
| 244                   | 73                   | 19                   | 93                                                            | 56                                                      | 71                                                       | 59                                                            | 48                                                           | 48                                                          | 61                                                       | 59                                                       | 83                                                       | 53                                                        |
| 245                   | 73                   | 40                   | 93                                                            | 55                                                      | 70                                                       | 59                                                            | 48                                                           | 47                                                          | 61                                                       | 58                                                       | 82                                                       | 54                                                        |
| 246                   | 74                   | 1                    | 92                                                            | 56                                                      | 71                                                       | 59                                                            | 47                                                           | 47                                                          | 62                                                       | 59                                                       | 82                                                       | 55                                                        |
| 247                   | 74                   | 22                   | 93                                                            | 56                                                      | 70                                                       | 59                                                            | 46                                                           | 47                                                          | 62                                                       | 58                                                       | 82                                                       | 56                                                        |
| 248                   | 74                   | 44                   | 93                                                            | 56                                                      | 69                                                       | 59                                                            | 45                                                           | 46                                                          | 61                                                       | 58                                                       | 82                                                       | 55                                                        |
| 249                   | 75                   | 5                    | 94                                                            | 56                                                      | 69                                                       | 59                                                            | 45                                                           | 47                                                          | 62                                                       | 59                                                       | 81                                                       | 56                                                        |
| 250                   | 75                   | 26                   | 94                                                            | 56                                                      | 69                                                       | 59                                                            | 45                                                           | 46                                                          | 62                                                       | 58                                                       | 80                                                       | 55                                                        |
| 251                   | 75                   | 47                   | 95                                                            | 55                                                      | 69                                                       | 59                                                            | 44                                                           | 46                                                          | 61                                                       | 58                                                       | 72                                                       | 56                                                        |
| 252                   | 76                   | 8                    | 95                                                            | 56                                                      | 64                                                       | 59                                                            | 44                                                           | 45                                                          | 61                                                       | 58                                                       | 66                                                       | 58                                                        |
| 253                   | 76                   | 29                   | 95                                                            | 58                                                      | 64                                                       | 59                                                            | 44                                                           | 45                                                          | 62                                                       | 58                                                       | 70                                                       | 63                                                        |
| 254                   | 76                   | 50                   | 95                                                            | 61                                                      | 66                                                       | 59                                                            | 44                                                           | 46                                                          | 61                                                       | 59                                                       | 72                                                       | 65                                                        |
| 255                   | 77                   | 11                   | 95                                                            | 63                                                      | 66                                                       | 59                                                            | 45                                                           | 46                                                          | 62                                                       | 59                                                       | 73                                                       | 66                                                        |
| 256                   | 77                   | 32                   | 95                                                            | 63                                                      | 67                                                       | 59                                                            | 46                                                           | 46                                                          | 62                                                       | 58                                                       | 78                                                       | 64                                                        |
| 257                   | 77                   | 54                   | 95                                                            | 63                                                      | 70                                                       | 59                                                            | 45                                                           | 45                                                          | 63                                                       | 59                                                       | 78                                                       | 59                                                        |
| 258                   | 78                   | 15                   | 96                                                            | 62                                                      | 69                                                       | 59                                                            | 45                                                           | 45                                                          | 62                                                       | 59                                                       | 70                                                       | 63                                                        |
| 259                   | 78                   | 36                   | 95                                                            | 63                                                      | 68                                                       | 51                                                            | 45                                                           | 45                                                          | 63                                                       | 59                                                       | 71                                                       | 65                                                        |
| 260                   | 78                   | 57                   | 95                                                            | 63                                                      | 69                                                       | 60                                                            | 44                                                           | 45                                                          | 63                                                       | 59                                                       | 71                                                       | 65                                                        |
| 261                   | 79                   | 18                   | 96                                                            | 64                                                      | 70                                                       | 60                                                            | 44                                                           | 45                                                          | 63                                                       | 59                                                       | 77                                                       | 63                                                        |
| 262                   | 79                   | 39                   | 96                                                            | 64                                                      | 70                                                       | 59                                                            | 44                                                           | 46                                                          | 62                                                       | 59                                                       | 75                                                       | 58                                                        |
| 263                   | 80                   | 0                    | 96                                                            | 63                                                      | 69                                                       | 60                                                            | 45                                                           | 45                                                          | 63                                                       | 59                                                       | 72                                                       | 65                                                        |
| 264                   | 80                   | 22                   | 96                                                            | 62                                                      | 71                                                       | 60                                                            | 44                                                           | 45                                                          | 62                                                       | 59                                                       | 75                                                       | 60                                                        |
| 265                   | 80                   | 43                   | 96                                                            | 63                                                      | 71                                                       | 60                                                            | 43                                                           | 45                                                          | 62                                                       | 59                                                       | 79                                                       | 59                                                        |
| 266                   | 81                   | 4                    | 96                                                            | 61                                                      | 71                                                       | 60                                                            | 43                                                           | 45                                                          | 62                                                       | 59                                                       | 80                                                       | 57                                                        |
| 267                   | 81                   | 25                   | 96                                                            | 61                                                      | 71                                                       | 60                                                            | 43                                                           | 45                                                          | 62                                                       | 58                                                       | 80                                                       | 56                                                        |
| 268                   | 81                   | 46                   | 94                                                            | 61                                                      | 71                                                       | 60                                                            | 44                                                           | 46                                                          | 63                                                       | 58                                                       | 81                                                       | 58                                                        |
| 269                   | 82                   | 7                    | 94                                                            | 60                                                      | 71                                                       | 59                                                            | 43                                                           | 46                                                          | 62                                                       | 58                                                       | 74                                                       | 63                                                        |
| 270                   | 82                   | 28                   | 95                                                            | 60                                                      | 72                                                       | 60                                                            | 45                                                           | 46                                                          | 63                                                       | 59                                                       | 82                                                       | 61                                                        |
| 271                   | 82                   | 49                   | 96                                                            | 61                                                      | 72                                                       | 60                                                            | 45                                                           | 48                                                          | 64                                                       | 59                                                       | 82                                                       | 61                                                        |
| 272                   | 82                   | 10                   | 97                                                            | 61                                                      | 72                                                       | 62                                                            | 46                                                           | 48                                                          | 64                                                       | 59                                                       | 83                                                       | 61                                                        |
| 273                   | 83                   | 31                   | 98                                                            | 62                                                      | 72                                                       | 61                                                            | 47                                                           | 48                                                          | 64                                                       | 60                                                       | 83                                                       | 61                                                        |
| 274                   | 83                   | 52                   | 96                                                            | 61                                                      | 72                                                       | 61                                                            | 46                                                           | 48                                                          | 66                                                       | 59                                                       | 82                                                       | 61                                                        |
| 275                   | 84                   | 13                   | 96                                                            | 60                                                      | 72                                                       | 62                                                            | 45                                                           | 49                                                          | 64                                                       | 60                                                       | 83                                                       | 61                                                        |
| 276                   | 84                   | 34                   | 101                                                           | 61                                                      | 73                                                       | 62                                                            | 45                                                           | 49                                                          | 65                                                       | 62                                                       | 83                                                       | 61                                                        |
| 277                   | 84                   | 55                   | 101                                                           | 61                                                      | 73                                                       | 62                                                            | 49                                                           | 50                                                          | 65                                                       | 61                                                       | 84                                                       | 61                                                        |
| 278                   | 85                   | 16                   | 101                                                           | 61                                                      | 73                                                       | 62                                                            | 50                                                           | 50                                                          | 65                                                       | 61                                                       | 85                                                       | 61                                                        |
| 279                   | 85                   | 37                   | 102                                                           | 61                                                      | 74                                                       | 63                                                            | 50                                                           | 50                                                          | 65                                                       | 61                                                       | 85                                                       | 62                                                        |
| 280                   | 85                   | 58                   | 99                                                            | 61                                                      | 72                                                       | 62                                                            | 48                                                           | 49                                                          | 65                                                       | 60                                                       | 84                                                       | 63                                                        |
| 281                   | 86                   | 19                   | 100                                                           | 61                                                      | 72                                                       | 62                                                            | 47                                                           | 50                                                          | 64                                                       | 60                                                       | 84                                                       | 61                                                        |
| 282                   | 86                   | 41                   | 99                                                            | 61                                                      | 72                                                       | 62                                                            | 46                                                           | 48                                                          | 63                                                       | 61                                                       | 83                                                       | 60                                                        |
| 283                   | 87                   | 2                    | 100                                                           | 61                                                      | 72                                                       | 62                                                            | 46                                                           | 48                                                          | 64                                                       | 61                                                       | 83                                                       | 59                                                        |
| 284                   | 87                   | 23                   | 100                                                           | 61                                                      | 72                                                       | 62                                                            | 46                                                           | 48                                                          | 65                                                       | 61                                                       | 93                                                       | 60                                                        |

| -31<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP.<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>INLET<br>TEMP.<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP.<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 285                   | 07                   | 44                   | 101                                                           | 60                                                       | 72                                                        | 63                                                            | 45                                                            | 45                                                  | 65                                               | 61                                                        | 73                                                       | 61                                                        |
| 286                   | 08                   | 5                    | 99                                                            | 61                                                       | 71                                                        | 63                                                            | 45                                                            | 45                                                  | 64                                               | 62                                                        | 81                                                       | 59                                                        |
| 287                   | 08                   | 26                   | 100                                                           | 60                                                       | 71                                                        | 63                                                            | 44                                                            | 45                                                  | 64                                               | 61                                                        | 83                                                       | 59                                                        |
| 288                   | 08                   | 46                   | 100                                                           | 60                                                       | 69                                                        | 63                                                            | 44                                                            | 45                                                  | 64                                               | 60                                                        | 87                                                       | 61                                                        |
| 289                   | 09                   | 9                    | 100                                                           | 61                                                       | 66                                                        | 63                                                            | 44                                                            | 45                                                  | 64                                               | 61                                                        | 71                                                       | 65                                                        |
| 290                   | 09                   | 30                   | 100                                                           | 63                                                       | 68                                                        | 62                                                            | 44                                                            | 44                                                  | 64                                               | 61                                                        | 73                                                       | 66                                                        |
| 291                   | 09                   | 51                   | 100                                                           | 64                                                       | 70                                                        | 63                                                            | 43                                                            | 44                                                  | 64                                               | 61                                                        | 74                                                       | 68                                                        |
| 292                   | 09                   | 12                   | 99                                                            | 65                                                       | 71                                                        | 63                                                            | 44                                                            | 43                                                  | 64                                               | 61                                                        | 77                                                       | 66                                                        |
| 293                   | 09                   | 33                   | 101                                                           | 65                                                       | 70                                                        | 63                                                            | 44                                                            | 44                                                  | 64                                               | 61                                                        | 80                                                       | 61                                                        |
| 294                   | 09                   | 54                   | 98                                                            | 64                                                       | 73                                                        | 63                                                            | 44                                                            | 43                                                  | 64                                               | 61                                                        | 76                                                       | 62                                                        |
| 295                   | 09                   | 16                   | 99                                                            | 64                                                       | 72                                                        | 64                                                            | 44                                                            | 44                                                  | 64                                               | 61                                                        | 81                                                       | 59                                                        |
| 296                   | 09                   | 37                   | 99                                                            | 63                                                       | 73                                                        | 62                                                            | 43                                                            | 44                                                  | 64                                               | 61                                                        | 82                                                       | 59                                                        |
| 297                   | 09                   | 58                   | 97                                                            | 64                                                       | 73                                                        | 64                                                            | 44                                                            | 44                                                  | 64                                               | 61                                                        | 83                                                       | 60                                                        |
| 298                   | 09                   | 19                   | 98                                                            | 63                                                       | 73                                                        | 67                                                            | 43                                                            | 44                                                  | 64                                               | 61                                                        | 82                                                       | 59                                                        |
| 299                   | 09                   | 40                   | 98                                                            | 62                                                       | 73                                                        | 67                                                            | 43                                                            | 43                                                  | 64                                               | 61                                                        | 82                                                       | 59                                                        |
| 300                   | 09                   | 1                    | 97                                                            | 62                                                       | 73                                                        | 64                                                            | 43                                                            | 44                                                  | 64                                               | 61                                                        | 83                                                       | 59                                                        |
| 301                   | 09                   | 22                   | 98                                                            | 61                                                       | 73                                                        | 64                                                            | 43                                                            | 43                                                  | 64                                               | 60                                                        | 82                                                       | 60                                                        |
| 302                   | 09                   | 44                   | 98                                                            | 61                                                       | 72                                                        | 64                                                            | 43                                                            | 44                                                  | 64                                               | 61                                                        | 82                                                       | 59                                                        |
| 303                   | 09                   | 5                    | 96                                                            | 61                                                       | 73                                                        | 64                                                            | 43                                                            | 45                                                  | 64                                               | 61                                                        | 83                                                       | 58                                                        |
| 304                   | 09                   | 26                   | 97                                                            | 61                                                       | 73                                                        | 63                                                            | 43                                                            | 44                                                  | 64                                               | 60                                                        | 83                                                       | 58                                                        |
| 305                   | 09                   | 47                   | 96                                                            | 61                                                       | 72                                                        | 63                                                            | 43                                                            | 45                                                  | 63                                               | 61                                                        | 75                                                       | 60                                                        |
| 306                   | 09                   | 6                    | 96                                                            | 61                                                       | 69                                                        | 64                                                            | 43                                                            | 45                                                  | 64                                               | 60                                                        | 68                                                       | 62                                                        |
| 307                   | 09                   | 29                   | 96                                                            | 62                                                       | 69                                                        | 64                                                            | 42                                                            | 44                                                  | 64                                               | 60                                                        | 69                                                       | 63                                                        |
| 308                   | 09                   | 50                   | 96                                                            | 62                                                       | 68                                                        | 64                                                            | 42                                                            | 44                                                  | 64                                               | 60                                                        | 68                                                       | 64                                                        |
| 309                   | 09                   | 12                   | 96                                                            | 63                                                       | 68                                                        | 64                                                            | 42                                                            | 44                                                  | 64                                               | 60                                                        | 68                                                       | 64                                                        |
| 310                   | 09                   | 33                   | 96                                                            | 63                                                       | 68                                                        | 64                                                            | 42                                                            | 44                                                  | 63                                               | 60                                                        | 79                                                       | 68                                                        |
| 311                   | 09                   | 54                   | 96                                                            | 63                                                       | 71                                                        | 64                                                            | 42                                                            | 44                                                  | 63                                               | 59                                                        | 76                                                       | 60                                                        |
| 312                   | 09                   | 15                   | 96                                                            | 63                                                       | 71                                                        | 64                                                            | 42                                                            | 44                                                  | 63                                               | 60                                                        | 75                                                       | 59                                                        |
| 313                   | 09                   | 36                   | 95                                                            | 62                                                       | 71                                                        | 63                                                            | 42                                                            | 44                                                  | 62                                               | 59                                                        | 79                                                       | 59                                                        |
| 314                   | 09                   | 57                   | 97                                                            | 62                                                       | 72                                                        | 65                                                            | 44                                                            | 45                                                  | 64                                               | 61                                                        | 82                                                       | 61                                                        |
| 315                   | 09                   | 18                   | 98                                                            | 62                                                       | 73                                                        | 65                                                            | 45                                                            | 46                                                  | 64                                               | 59                                                        | 82                                                       | 62                                                        |
| 316                   | 09                   | 39                   | 98                                                            | 62                                                       | 73                                                        | 64                                                            | 45                                                            | 46                                                  | 64                                               | 60                                                        | 82                                                       | 63                                                        |
| 317                   | 09                   | 0                    | 100                                                           | 62                                                       | 73                                                        | 64                                                            | 45                                                            | 46                                                  | 65                                               | 61                                                        | 83                                                       | 63                                                        |
| 318                   | 09                   | 21                   | 101                                                           | 62                                                       | 73                                                        | 65                                                            | 46                                                            | 48                                                  | 65                                               | 61                                                        | 78                                                       | 65                                                        |
| 319                   | 09                   | 42                   | 102                                                           | 62                                                       | 74                                                        | 65                                                            | 46                                                            | 48                                                  | 65                                               | 61                                                        | 83                                                       | 65                                                        |
| 320                   | 09                   | 3                    | 102                                                           | 63                                                       | 72                                                        | 66                                                            | 47                                                            | 48                                                  | 66                                               | 61                                                        | 83                                                       | 64                                                        |
| 321                   | 09                   | 24                   | 103                                                           | 63                                                       | 73                                                        | 65                                                            | 46                                                            | 48                                                  | 65                                               | 61                                                        | 85                                                       | 65                                                        |
| 322                   | 09                   | 45                   | 104                                                           | 63                                                       | 75                                                        | 66                                                            | 47                                                            | 49                                                  | 66                                               | 61                                                        | 85                                                       | 65                                                        |
| 323                   | 09                   | 6                    | 104                                                           | 64                                                       | 74                                                        | 66                                                            | 48                                                            | 49                                                  | 66                                               | 62                                                        | 85                                                       | 65                                                        |
| 324                   | 09                   | 27                   | 105                                                           | 64                                                       | 75                                                        | 67                                                            | 48                                                            | 50                                                  | 67                                               | 62                                                        | 85                                                       | 65                                                        |
| 325                   | 09                   | 48                   | 103                                                           | 64                                                       | 75                                                        | 66                                                            | 48                                                            | 50                                                  | 66                                               | 63                                                        | 85                                                       | 66                                                        |
| 326                   | 09                   | 9                    | 102                                                           | 63                                                       | 74                                                        | 66                                                            | 47                                                            | 50                                                  | 65                                               | 62                                                        | 85                                                       | 65                                                        |
| 327                   | 09                   | 31                   | 103                                                           | 64                                                       | 74                                                        | 66                                                            | 46                                                            | 49                                                  | 66                                               | 62                                                        | 85                                                       | 64                                                        |
| 328                   | 09                   | 52                   | 103                                                           | 63                                                       | 75                                                        | 66                                                            | 46                                                            | 49                                                  | 66                                               | 62                                                        | 75                                                       | 62                                                        |
| 329                   | 09                   | 13                   | 103                                                           | 64                                                       | 73                                                        | 66                                                            | 46                                                            | 48                                                  | 66                                               | 63                                                        | 69                                                       | 64                                                        |
| 330                   | 09                   | 34                   | 102                                                           | 64                                                       | 69                                                        | 67                                                            | 45                                                            | 48                                                  | 66                                               | 62                                                        | 78                                                       | 69                                                        |
| 331                   | 09                   | 55                   | 102                                                           | 64                                                       | 71                                                        | 66                                                            | 45                                                            | 46                                                  | 66                                               | 63                                                        | 83                                                       | 63                                                        |
| 332                   | 09                   | 1                    | 101                                                           | 64                                                       | 70                                                        | 66                                                            | 45                                                            | 47                                                  | 66                                               | 63                                                        | 75                                                       | 68                                                        |
| 333                   | 09                   | 30                   | 107                                                           | 65                                                       | 72                                                        | 68                                                            | 45                                                            | 47                                                  | 66                                               | 63                                                        | 82                                                       | 65                                                        |
| 334                   | 09                   | 51                   | 103                                                           | 65                                                       | 73                                                        | 67                                                            | 45                                                            | 47                                                  | 66                                               | 63                                                        | 78                                                       | 63                                                        |

| -01<br>SNEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAM)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ ROLL<br>CHAM)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>MINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>MINCH<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 325                   | 105                  | 20                   | 100                                                           | 65                                                      | 74                                                       | 67                                                            | 46                                                           | 46                                                          | 67                                                      | 63                                                       | 63                                                       | 59                                                        |
| 336                   | 105                  | 41                   | 100                                                           | 65                                                      | 74                                                       | 67                                                            | 46                                                           | 48                                                          | 66                                                      | 64                                                       | 63                                                       | 59                                                        |
| 337                   | 106                  | 2                    | 100                                                           | 65                                                      | 74                                                       | 66                                                            | 46                                                           | 48                                                          | 64                                                      | 63                                                       | 63                                                       | 56                                                        |
| 338                   | 106                  | 23                   | 101                                                           | 64                                                      | 74                                                       | 67                                                            | 46                                                           | 48                                                          | 65                                                      | 63                                                       | 63                                                       | 55                                                        |
| 339                   | 106                  | 45                   | 100                                                           | 62                                                      | 75                                                       | 67                                                            | 47                                                           | 46                                                          | 64                                                      | 62                                                       | 63                                                       | 57                                                        |
| 340                   | 107                  | 6                    | 99                                                            | 62                                                      | 75                                                       | 67                                                            | 45                                                           | 46                                                          | 63                                                      | 62                                                       | 63                                                       | 58                                                        |
| 341                   | 107                  | 27                   | 100                                                           | 61                                                      | 72                                                       | 66                                                            | 46                                                           | 48                                                          | 63                                                      | 62                                                       | 63                                                       | 55                                                        |
| 342                   | 107                  | 48                   | 99                                                            | 61                                                      | 72                                                       | 66                                                            | 46                                                           | 48                                                          | 63                                                      | 62                                                       | 63                                                       | 54                                                        |
| 343                   | 108                  | 9                    | 99                                                            | 60                                                      | 72                                                       | 66                                                            | 46                                                           | 48                                                          | 62                                                      | 61                                                       | 63                                                       | 55                                                        |
| 344                   | 108                  | 30                   | 99                                                            | 59                                                      | 72                                                       | 66                                                            | 45                                                           | 48                                                          | 62                                                      | 61                                                       | 64                                                       | 58                                                        |
| 345                   | 108                  | 52                   | 91                                                            | 59                                                      | 72                                                       | 66                                                            | 45                                                           | 46                                                          | 62                                                      | 61                                                       | 63                                                       | 59                                                        |
| 346                   | 109                  | 13                   | 91                                                            | 59                                                      | 72                                                       | 66                                                            | 45                                                           | 47                                                          | 62                                                      | 61                                                       | 63                                                       | 58                                                        |
| 347                   | 109                  | 34                   | 96                                                            | 59                                                      | 72                                                       | 66                                                            | 45                                                           | 46                                                          | 63                                                      | 61                                                       | 63                                                       | 59                                                        |
| 348                   | 109                  | 55                   | 97                                                            | 59                                                      | 72                                                       | 66                                                            | 45                                                           | 46                                                          | 62                                                      | 60                                                       | 62                                                       | 59                                                        |
| 349                   | 110                  | 16                   | 96                                                            | 59                                                      | 71                                                       | 66                                                            | 44                                                           | 46                                                          | 63                                                      | 61                                                       | 62                                                       | 59                                                        |
| 350                   | 110                  | 37                   | 95                                                            | 58                                                      | 71                                                       | 66                                                            | 45                                                           | 46                                                          | 62                                                      | 61                                                       | 62                                                       | 59                                                        |
| 351                   | 110                  | 59                   | 95                                                            | 58                                                      | 71                                                       | 65                                                            | 45                                                           | 48                                                          | 61                                                      | 61                                                       | 61                                                       | 55                                                        |
| 352                   | 111                  | 20                   | 95                                                            | 58                                                      | 71                                                       | 65                                                            | 45                                                           | 47                                                          | 61                                                      | 59                                                       | 61                                                       | 55                                                        |
| 353                   | 111                  | 41                   | 96                                                            | 58                                                      | 72                                                       | 65                                                            | 46                                                           | 48                                                          | 62                                                      | 59                                                       | 61                                                       | 56                                                        |
| 354                   | 112                  | 2                    | 96                                                            | 58                                                      | 72                                                       | 65                                                            | 46                                                           | 48                                                          | 62                                                      | 59                                                       | 61                                                       | 58                                                        |
| 355                   | 112                  | 23                   | 98                                                            | 59                                                      | 71                                                       | 65                                                            | 46                                                           | 49                                                          | 61                                                      | 59                                                       | 62                                                       | 60                                                        |
| 356                   | 112                  | 44                   | 99                                                            | 59                                                      | 71                                                       | 66                                                            | 48                                                           | 49                                                          | 63                                                      | 61                                                       | 62                                                       | 62                                                        |
| 357                   | 113                  | 5                    | 99                                                            | 60                                                      | 71                                                       | 66                                                            | 48                                                           | 50                                                          | 62                                                      | 60                                                       | 62                                                       | 63                                                        |
| 358                   | 113                  | 26                   | 94                                                            | 60                                                      | 73                                                       | 66                                                            | 48                                                           | 50                                                          | 63                                                      | 59                                                       | 62                                                       | 64                                                        |
| 359                   | 113                  | 47                   | 96                                                            | 57                                                      | 70                                                       | 66                                                            | 49                                                           | 51                                                          | 63                                                      | 61                                                       | 62                                                       | 63                                                        |
| 360                   | 114                  | 8                    | 96                                                            | 57                                                      | 70                                                       | 66                                                            | 49                                                           | 51                                                          | 63                                                      | 60                                                       | 62                                                       | 62                                                        |
| 361                   | 114                  | 29                   | 96                                                            | 59                                                      | 67                                                       | 66                                                            | 49                                                           | 51                                                          | 63                                                      | 61                                                       | 62                                                       | 64                                                        |
| 362                   | 114                  | 50                   | 96                                                            | 58                                                      | 67                                                       | 66                                                            | 49                                                           | 51                                                          | 63                                                      | 60                                                       | 62                                                       | 64                                                        |
| 363                   | 115                  | 11                   | 101                                                           | 59                                                      | 68                                                       | 66                                                            | 49                                                           | 51                                                          | 64                                                      | 61                                                       | 61                                                       | 62                                                        |
| 364                   | 115                  | 37                   | 101                                                           | 60                                                      | 70                                                       | 66                                                            | 49                                                           | 51                                                          | 64                                                      | 61                                                       | 61                                                       | 63                                                        |
| 365                   | 115                  | 54                   | 100                                                           | 60                                                      | 70                                                       | 66                                                            | 50                                                           | 51                                                          | 65                                                      | 61                                                       | 61                                                       | 62                                                        |
| 366                   | 115                  | 15                   | 102                                                           | 60                                                      | 71                                                       | 67                                                            | 50                                                           | 51                                                          | 64                                                      | 62                                                       | 62                                                       | 61                                                        |
| 367                   | 115                  | 36                   | 94                                                            | 60                                                      | 72                                                       | 66                                                            | 51                                                           | 52                                                          | 64                                                      | 62                                                       | 62                                                       | 63                                                        |
| 368                   | 115                  | 46                   | 74                                                            | 62                                                      | 71                                                       | 67                                                            | 55                                                           | 55                                                          | 63                                                      | 61                                                       | 63                                                       | 65                                                        |
| 369                   | 116                  | 7                    | 70                                                            | 62                                                      | 71                                                       | 67                                                            | 55                                                           | 55                                                          | 62                                                      | 60                                                       | 65                                                       | 64                                                        |
| 370                   | 116                  | 29                   | 68                                                            | 62                                                      | 71                                                       | 67                                                            | 56                                                           | 56                                                          | 62                                                      | 60                                                       | 65                                                       | 61                                                        |
| 371                   | 121                  | 29                   | 67                                                            | 61                                                      | 71                                                       | 67                                                            | 57                                                           | 56                                                          | 61                                                      | 59                                                       | 65                                                       | 59                                                        |
| 372                   | 121                  | 50                   | 47                                                            | 62                                                      | 72                                                       | 67                                                            | 57                                                           | 57                                                          | 61                                                      | 59                                                       | 65                                                       | 59                                                        |
| 373                   | 121                  | 12                   | 99                                                            | 62                                                      | 72                                                       | 67                                                            | 58                                                           | 57                                                          | 60                                                      | 59                                                       | 65                                                       | 61                                                        |
| 374                   | 121                  | 34                   | 103                                                           | 62                                                      | 73                                                       | 69                                                            | 58                                                           | 57                                                          | 60                                                      | 58                                                       | 65                                                       | 61                                                        |
| 375                   | 123                  | 15                   | 79                                                            | 61                                                      | 71                                                       | 64                                                            | 59                                                           | 58                                                          | 59                                                      | 56                                                       | 65                                                       | 72                                                        |
| 376                   | 123                  | 37                   | 77                                                            | 61                                                      | 63                                                       | 64                                                            | 59                                                           | 58                                                          | 59                                                      | 56                                                       | 65                                                       | 71                                                        |
| 377                   | 123                  | 58                   | 76                                                            | 60                                                      | 63                                                       | 64                                                            | 58                                                           | 58                                                          | 58                                                      | 56                                                       | 65                                                       | 72                                                        |
| 378                   | 123                  | 20                   | 75                                                            | 60                                                      | 63                                                       | 64                                                            | 58                                                           | 58                                                          | 58                                                      | 56                                                       | 65                                                       | 71                                                        |
| 379                   | 124                  | 20                   | 74                                                            | 59                                                      | 67                                                       | 68                                                            | 59                                                           | 59                                                          | 58                                                      | 56                                                       | 67                                                       | 69                                                        |
| 380                   | 124                  | 41                   | 74                                                            | 59                                                      | 67                                                       | 68                                                            | 59                                                           | 59                                                          | 58                                                      | 56                                                       | 67                                                       | 67                                                        |
| 381                   | 124                  | 21                   | 74                                                            | 59                                                      | 67                                                       | 68                                                            | 59                                                           | 59                                                          | 58                                                      | 56                                                       | 67                                                       | 67                                                        |
| 382                   | 124                  | 44                   | 61                                                            | 51                                                      | 64                                                       | 65                                                            | 61                                                           | 62                                                          | 54                                                      | 52                                                       | 65                                                       | 64                                                        |
| 383                   | 130                  | 6                    | 61                                                            | 51                                                      | 64                                                       | 65                                                            | 61                                                           | 62                                                          | 54                                                      | 52                                                       | 65                                                       | 64                                                        |
| 384                   | 130                  | 24                   | 61                                                            | 51                                                      | 64                                                       | 65                                                            | 61                                                           | 62                                                          | 54                                                      | 52                                                       | 65                                                       | 64                                                        |
| 385                   | 130                  | 40                   | 60                                                            | 51                                                      | 64                                                       | 65                                                            | 61                                                           | 62                                                          | 54                                                      | 52                                                       | 65                                                       | 64                                                        |

|                       |                      |                      |                                                               |                                                         |                                                          |                                                              |                                                              |                                                             |                                                         |                                                          |                                                          |                                                           |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
| 385                   | 131                  | 11                   | 50                                                            | 51                                                      | 54                                                       | 65                                                           | 62                                                           | 62                                                          | 54                                                      | 53                                                       | 63                                                       | 63                                                        |
| 386                   | 139                  | 52                   | 56                                                            | 50                                                      | 52                                                       | 65                                                           | 64                                                           | 63                                                          | 56                                                      | 56                                                       | 58                                                       | 59                                                        |
| 387                   | 140                  | 13                   | 56                                                            | 50                                                      | 51                                                       | 64                                                           | 64                                                           | 62                                                          | 55                                                      | 57                                                       | 58                                                       | 59                                                        |
| 388                   | 140                  | 35                   | 55                                                            | 49                                                      | 52                                                       | 64                                                           | 64                                                           | 63                                                          | 56                                                      | 56                                                       | 58                                                       | 59                                                        |
| 389                   | 140                  | 56                   | 55                                                            | 51                                                      | 52                                                       | 64                                                           | 64                                                           | 63                                                          | 56                                                      | 57                                                       | 58                                                       | 59                                                        |
| 390                   | 141                  | 18                   | 56                                                            | 50                                                      | 52                                                       | 64                                                           | 64                                                           | 63                                                          | 56                                                      | 56                                                       | 58                                                       | 59                                                        |
| 391                   | 148                  | 56                   | 54                                                            | 49                                                      | 50                                                       | 63                                                           | 62                                                           | 61                                                          | 54                                                      | 56                                                       | 55                                                       | 56                                                        |
| 392                   | 149                  | 18                   | 54                                                            | 50                                                      | 50                                                       | 63                                                           | 62                                                           | 61                                                          | 54                                                      | 56                                                       | 55                                                       | 56                                                        |
| 393                   | 149                  | 39                   | 54                                                            | 49                                                      | 50                                                       | 63                                                           | 62                                                           | 61                                                          | 54                                                      | 56                                                       | 55                                                       | 56                                                        |
| 394                   | 150                  | 1                    | 54                                                            | 51                                                      | 50                                                       | 63                                                           | 61                                                           | 61                                                          | 54                                                      | 56                                                       | 54                                                       | 55                                                        |
| 395                   | 150                  | 22                   | 51                                                            | 49                                                      | 50                                                       | 63                                                           | 61                                                           | 60                                                          | 54                                                      | 56                                                       | 54                                                       | 56                                                        |
| 396                   | 150                  | 44                   | 51                                                            | 49                                                      | 49                                                       | 63                                                           | 62                                                           | 61                                                          | 54                                                      | 56                                                       | 54                                                       | 54                                                        |

AH-53C S/N 68-10354  
 DESERT TEST  
 7 JULY 1971  
 RUN NO. 8

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| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>MTR.<br>FIRE<br>EXT.<br>MASS<br>DFG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 39                    | 1                    | 9                    | 44                                                   |
| 40                    | 1                    | 9                    | 44                                                   |
| 41                    | 1                    | 52                   | 44                                                   |
| 42                    | 2                    | 13                   | 44                                                   |
| 43                    | 2                    | 35                   | 44                                                   |
| 44                    | 2                    | 56                   | 44                                                   |
| 45                    | 3                    | 16                   | 44                                                   |
| 46                    | 3                    | 39                   | 44                                                   |
| 47                    | 4                    | 1                    | 44                                                   |
| 48                    | 4                    | 22                   | 44                                                   |
| 49                    | 4                    | 48                   | 44                                                   |
| 50                    | 5                    | 5                    | 45                                                   |
| 51                    | 5                    | 26                   | 45                                                   |
| 52                    | 5                    | 48                   | 45                                                   |
| 53                    | 6                    | 9                    | 46                                                   |
| 54                    | 6                    | 31                   | 46                                                   |
| 55                    | 6                    | 52                   | 47                                                   |
| 56                    | 7                    | 14                   | 44                                                   |
| 57                    | 7                    | 35                   | 44                                                   |
| 58                    | 7                    | 56                   | 44                                                   |
| 59                    | 8                    | 17                   | 49                                                   |
| 60                    | 8                    | 38                   | 49                                                   |
| 61                    | 8                    | 59                   | 49                                                   |
| 62                    | 9                    | 20                   | 44                                                   |
| 63                    | 9                    | 41                   | 51                                                   |
| 64                    | 10                   | 3                    | 50                                                   |
| 65                    | 10                   | 24                   | 50                                                   |
| 66                    | 10                   | 45                   | 50                                                   |
| 67                    | 11                   | 6                    | 50                                                   |
| 68                    | 11                   | 27                   | 51                                                   |
| 69                    | 12                   | 48                   | 50                                                   |
| 70                    | 12                   | 9                    | 51                                                   |
| 71                    | 12                   | 31                   | 51                                                   |
| 72                    | 12                   | 52                   | 51                                                   |
| 73                    | 13                   | 13                   | 51                                                   |
| 74                    | 13                   | 34                   | 52                                                   |
| 75                    | 13                   | 55                   | 52                                                   |
| 76                    | 14                   | 14                   | 52                                                   |
| 77                    | 14                   | 30                   | 52                                                   |
| 78                    | 14                   | 59                   | 53                                                   |
| 79                    | 15                   | 20                   | 53                                                   |
| 80                    | 15                   | 41                   | 53                                                   |
| 81                    | 16                   | 2                    | 54                                                   |
| 82                    | 16                   | 23                   | 55                                                   |
| 83                    | 16                   | 44                   | 54                                                   |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP.<br>HTR.<br>FIRE<br>EXT.<br>WASS<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|
| 84                    | 17                   | 5                    | 54                                                    |
| 85                    | 17                   | 27                   | 53                                                    |
| 86                    | 17                   | 48                   | 54                                                    |
| 87                    | 18                   | 9                    | 54                                                    |
| 88                    | 18                   | 30                   | 55                                                    |
| 89                    | 18                   | *                    | 54                                                    |
| 90                    | 19                   | 12                   | 54                                                    |
| 91                    | 19                   | 33                   | 55                                                    |
| 92                    | 19                   | *                    | 55                                                    |
| 93                    | 20                   | 12                   | 55                                                    |
| 94                    | 20                   | 37                   | 55                                                    |
| 95                    | 19                   | 6                    | 55                                                    |
| 96                    | 21                   | 18                   | 55                                                    |
| 97                    | 21                   | 39                   | 55                                                    |
| 98                    | 22                   | 0                    | 55                                                    |
| 100                   | 22                   | 42                   | 56                                                    |
| 101                   | 23                   | 3                    | 56                                                    |
| 102                   | 23                   | 24                   | 56                                                    |
| 103                   | 23                   | 45                   | 57                                                    |
| 104                   | 24                   | 6                    | 57                                                    |
| 105                   | 24                   | 27                   | 57                                                    |
| 106                   | 24                   | 48                   | 57                                                    |
| 107                   | 25                   | 9                    | 57                                                    |
| 108                   | 25                   | 30                   | 57                                                    |
| 109                   | 25                   | 51                   | 57                                                    |
| 110                   | 26                   | 12                   | 54                                                    |
| 111                   | 26                   | 33                   | 53                                                    |
| 112                   | 26                   | 54                   | 53                                                    |
| 113                   | 27                   | 15                   | 59                                                    |
| 114                   | 27                   | 36                   | 59                                                    |
| 115                   | 27                   | 57                   | 59                                                    |
| 116                   | 27                   | 18                   | 59                                                    |
| 117                   | 28                   | 40                   | 59                                                    |
| 118                   | 28                   | 1                    | 59                                                    |
| 119                   | 28                   | 22                   | 59                                                    |
| 120                   | 29                   | 43                   | 57                                                    |
| 121                   | 29                   | 6                    | 59                                                    |
| 122                   | 30                   | 25                   | 59                                                    |
| 123                   | 30                   | 46                   | 59                                                    |
| 124                   | 31                   | 7                    | 57                                                    |
| 125                   | 31                   | 29                   | 57                                                    |
| 126                   | 31                   | 50                   | 57                                                    |
| 127                   | 32                   | 11                   | 59                                                    |
| 128                   | 32                   | 32                   | 59                                                    |
| 129                   | 32                   | 53                   | 59                                                    |
| 130                   | 33                   | 14                   | 59                                                    |
| 131                   | 33                   | 35                   | 59                                                    |
| 132                   | 33                   | 57                   | 59                                                    |
| 133                   | 34                   | 18                   | 59                                                    |
| 134                   | 34                   | 40                   | 59                                                    |



| -01<br>SWEEP<br>COUNT | -02<br>TIME<br>MIN. | -03<br>TIME<br>SEC. | 4-26<br>APP<br>HTR.<br>FIRE<br>EXT.<br>MASS<br>DEG.C |
|-----------------------|---------------------|---------------------|------------------------------------------------------|
| 135                   | 35                  | 6                   | 58                                                   |
| 136                   | 35                  | 21                  | 58                                                   |
| 137                   | 35                  | 42                  | 58                                                   |
| 138                   | 36                  | 4                   | 58                                                   |
| 139                   | 36                  | 22                  | 58                                                   |
| 140                   | 36                  | 46                  | 58                                                   |
| 141                   | 37                  | 7                   | 58                                                   |
| 142                   | 37                  | 28                  | 58                                                   |
| 143                   | 37                  | 49                  | 58                                                   |
| 144                   | 38                  | 11                  | 58                                                   |
| 145                   | 38                  | 32                  | 58                                                   |
| 146                   | 38                  | 53                  | 61                                                   |
| 147                   | 39                  | 14                  | 58                                                   |
| 148                   | 39                  | 35                  | 58                                                   |
| 149                   | 39                  | 56                  | 58                                                   |
| 150                   | 40                  | 17                  | 58                                                   |
| 151                   | 40                  | 38                  | 58                                                   |
| 152                   | 40                  | 59                  | 58                                                   |
| 153                   | 41                  | 21                  | 58                                                   |
| 154                   | 41                  | 42                  | 58                                                   |
| 155                   | 42                  | 3                   | 57                                                   |
| 156                   | 42                  | 24                  | 57                                                   |
| 157                   | 42                  | 45                  | 54                                                   |
| 158                   | 43                  | 6                   | 57                                                   |
| 159                   | 43                  | 27                  | 59                                                   |
| 160                   | 43                  | 48                  | 50                                                   |
| 161                   | 44                  | 9                   | 51                                                   |
| 162                   | 44                  | 30                  | 51                                                   |
| 163                   | 44                  | 52                  | 51                                                   |
| 164                   | 45                  | 13                  | 51                                                   |
| 165                   | 45                  | 34                  | 50                                                   |
| 166                   | 45                  | 55                  | 50                                                   |
| 167                   | 46                  | 16                  | 50                                                   |
| 168                   | 46                  | 37                  | 50                                                   |
| 169                   | 46                  | 58                  | 50                                                   |
| 170                   | 47                  | 19                  | 50                                                   |
| 171                   | 47                  | 40                  | 50                                                   |
| 172                   | 48                  | 2                   | 50                                                   |
| 173                   | 48                  | 23                  | 50                                                   |
| 174                   | 48                  | 44                  | 50                                                   |
| 175                   | 49                  | 5                   | 50                                                   |
| 176                   | 49                  | 26                  | 50                                                   |
| 177                   | 49                  | 47                  | 54                                                   |
| 178                   | 50                  | 8                   | 54                                                   |
| 179                   | 50                  | 29                  | 54                                                   |
| 180                   | 50                  | 51                  | 54                                                   |
| 181                   | 51                  | 12                  | 55                                                   |
| 182                   | 51                  | 33                  | 54                                                   |
| 183                   | 51                  | 54                  | 55                                                   |
| 184                   | 52                  | 15                  | 54                                                   |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>MTR.<br>FIRE<br>EXT.<br>MASS<br>DEC.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 185                   | 52                   | 36                   | 54                                                   |
| 186                   | 52                   | 37                   | 54                                                   |
| 187                   | 53                   | 18                   | 54                                                   |
| 188                   | 53                   | 39                   | 54                                                   |
| 189                   | 54                   | 0                    | 54                                                   |
| 190                   | 54                   | 22                   | 54                                                   |
| 191                   | 54                   | 43                   | 53                                                   |
| 192                   | 55                   | 4                    | 53                                                   |
| 193                   | 55                   | 25                   | 54                                                   |
| 194                   | 55                   | 46                   | 53                                                   |
| 195                   | 56                   | 7                    | 53                                                   |
| 196                   | 56                   | 28                   | 53                                                   |
| 197                   | 56                   | 49                   | 52                                                   |
| 198                   | 57                   | 10                   | 52                                                   |
| 199                   | 57                   | 31                   | 53                                                   |
| 200                   | 57                   | 52                   | 54                                                   |
| 201                   | 58                   | 13                   | 54                                                   |
| 202                   | 58                   | 34                   | 54                                                   |
| 203                   | 58                   | 55                   | 55                                                   |
| 204                   | 59                   | 16                   | 55                                                   |
| 205                   | 59                   | 37                   | 55                                                   |
| 206                   | 59                   | 58                   | 56                                                   |
| 207                   | 60                   | 20                   | 56                                                   |
| 208                   | 60                   | 41                   | 56                                                   |
| 209                   | 61                   | 2                    | 56                                                   |
| 210                   | 61                   | 23                   | 56                                                   |
| 211                   | 61                   | 44                   | 55                                                   |
| 212                   | 62                   | 5                    | 55                                                   |
| 213                   | 62                   | 26                   | 54                                                   |
| 214                   | 62                   | 47                   | 54                                                   |
| 215                   | 63                   | 8                    | 53                                                   |
| 216                   | 63                   | 29                   | 54                                                   |
| 217                   | 63                   | 51                   | 53                                                   |
| 218                   | 64                   | 12                   | 53                                                   |
| 219                   | 64                   | 33                   | 52                                                   |
| 220                   | 64                   | 54                   | 52                                                   |
| 221                   | 65                   | 15                   | 52                                                   |
| 222                   | 65                   | 36                   | 52                                                   |
| 223                   | 65                   | 57                   | 52                                                   |
| 224                   | 66                   | 18                   | 52                                                   |
| 225                   | 66                   | 39                   | 52                                                   |
| 226                   | 67                   | 1                    | 52                                                   |
| 227                   | 67                   | 22                   | 51                                                   |
| 228                   | 67                   | 43                   | 52                                                   |
| 229                   | 68                   | 4                    | 51                                                   |
| 230                   | 68                   | 25                   | 52                                                   |
| 231                   | 68                   | 46                   | 51                                                   |
| 232                   | 69                   | 7                    | 51                                                   |
| 233                   | 69                   | 28                   | 51                                                   |
| 234                   | 69                   | 49                   | 50                                                   |

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| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>HTR.<br>FIRE<br>EXT.<br>MASS<br>NEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 235                   | 70                   | 10                   | 49                                                   |
| 236                   | 70                   | 31                   | 49                                                   |
| 237                   | 70                   | 52                   | 49                                                   |
| 238                   | 71                   | 13                   | 50                                                   |
| 239                   | 71                   | 34                   | 49                                                   |
| 240                   | 71                   | 55                   | 49                                                   |
| 241                   | 72                   | 16                   | 49                                                   |
| 242                   | 72                   | 37                   | 50                                                   |
| 243                   | 72                   | 58                   | 51                                                   |
| 244                   | 73                   | 19                   | 49                                                   |
| 245                   | 73                   | 40                   | 50                                                   |
| 246                   | 74                   | 1                    | 50                                                   |
| 247                   | 74                   | 22                   | 51                                                   |
| 248                   | 74                   | 44                   | 51                                                   |
| 249                   | 75                   | 5                    | 51                                                   |
| 250                   | 75                   | 26                   | 51                                                   |
| 251                   | 75                   | 47                   | 51                                                   |
| 252                   | 76                   | 8                    | 50                                                   |
| 253                   | 76                   | 29                   | 51                                                   |
| 254                   | 76                   | 50                   | 51                                                   |
| 255                   | 77                   | 11                   | 51                                                   |
| 256                   | 77                   | 32                   | 51                                                   |
| 257                   | 77                   | 54                   | 51                                                   |
| 258                   | 78                   | 15                   | 51                                                   |
| 259                   | 78                   | 36                   | 50                                                   |
| 260                   | 78                   | 57                   | 51                                                   |
| 261                   | 79                   | 18                   | 50                                                   |
| 262                   | 79                   | 39                   | 50                                                   |
| 263                   | 80                   | 0                    | 50                                                   |
| 264                   | 80                   | 22                   | 50                                                   |
| 265                   | 80                   | 43                   | 51                                                   |
| 266                   | 81                   | 4                    | 50                                                   |
| 267                   | 81                   | 25                   | 50                                                   |
| 268                   | 81                   | 46                   | 51                                                   |
| 269                   | 82                   | 7                    | 51                                                   |
| 270                   | 82                   | 28                   | 51                                                   |
| 271                   | 82                   | 49                   | 52                                                   |
| 272                   | 83                   | 10                   | 52                                                   |
| 273                   | 83                   | 31                   | 52                                                   |
| 274                   | 83                   | 52                   | 53                                                   |
| 275                   | 84                   | 13                   | 54                                                   |
| 276                   | 84                   | 34                   | 55                                                   |
| 277                   | 84                   | 55                   | 54                                                   |
| 278                   | 85                   | 16                   | 55                                                   |
| 279                   | 85                   | 37                   | 56                                                   |
| 280                   | 85                   | 58                   | 55                                                   |
| 281                   | 86                   | 19                   | 54                                                   |
| 282                   | 86                   | 41                   | 54                                                   |
| 283                   | 87                   | 2                    | 54                                                   |
| 284                   | 87                   | 23                   | 54                                                   |

| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>MTR.<br>FIRE<br>EXT.<br>WASS<br>DE3.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
|-----------------------|----------------------|----------------------|------------------------------------------------------|

|     |     |    |    |
|-----|-----|----|----|
| 285 | 87  | 44 | 53 |
| 286 | 88  | 5  | 53 |
| 287 | 88  | 26 | 53 |
| 288 | 88  | 48 | 54 |
| 289 | 89  | 9  | 52 |
| 290 | 89  | 30 | 52 |
| 291 | 89  | 51 | 52 |
| 292 | 90  | 12 | 52 |
| 293 | 90  | 33 | 52 |
| 294 | 90  | 54 | 53 |
| 295 | 91  | 16 | 52 |
| 296 | 91  | 37 | 52 |
| 297 | 91  | 56 | 52 |
| 298 | 92  | 19 | 52 |
| 299 | 92  | 46 | 52 |
| 300 | 93  | 1  | 52 |
| 301 | 93  | 22 | 53 |
| 302 | 93  | 44 | 52 |
| 303 | 94  | 5  | 52 |
| 304 | 94  | 26 | 51 |
| 305 | 94  | 47 | 52 |
| 306 | 95  | 8  | 51 |
| 307 | 95  | 29 | 51 |
| 308 | 95  | 50 | 51 |
| 309 | 96  | 12 | 51 |
| 310 | 96  | 33 | 50 |
| 311 | 96  | 54 | 51 |
| 312 | 97  | 15 | 50 |
| 313 | 97  | 36 | 51 |
| 314 | 97  | 57 | 52 |
| 315 | 98  | 18 | 52 |
| 316 | 98  | 39 | 53 |
| 317 | 99  | 0  | 53 |
| 318 | 99  | 21 | 54 |
| 319 | 99  | 42 | 55 |
| 320 | 100 | 3  | 55 |
| 321 | 100 | 24 | 56 |
| 322 | 100 | 45 | 56 |
| 323 | 101 | 6  | 56 |
| 324 | 101 | 27 | 57 |
| 325 | 101 | 48 | 57 |
| 326 | 102 | 9  | 56 |
| 327 | 102 | 31 | 56 |
| 328 | 102 | 52 | 56 |
| 329 | 103 | 13 | 56 |
| 330 | 103 | 34 | 56 |
| 331 | 103 | 55 | 56 |
| 332 | 104 | 16 | 56 |
| 333 | 104 | 37 | 56 |
| 334 | 104 | 58 | 57 |

| -01<br>SHEEO<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>HYR.<br>FIRE<br>EXT.<br>MASS<br>DE.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------|
| 335                   | 105                  | 20                   | 55                                                  |
| 336                   | 105                  | 41                   | 55                                                  |
| 337                   | 106                  | 2                    | 54                                                  |
| 338                   | 106                  | 23                   | 55                                                  |
| 339                   | 106                  | 45                   | 54                                                  |
| 340                   | 107                  | 6                    | 53                                                  |
| 341                   | 107                  | 27                   | 54                                                  |
| 342                   | 107                  | 46                   | 52                                                  |
| 343                   | 108                  | 9                    | 52                                                  |
| 344                   | 108                  | 30                   | 52                                                  |
| 345                   | 108                  | 52                   | 53                                                  |
| 346                   | 109                  | 13                   | 52                                                  |
| 347                   | 109                  | 34                   | 53                                                  |
| 348                   | 109                  | 55                   | 52                                                  |
| 349                   | 110                  | 16                   | 52                                                  |
| 350                   | 110                  | 37                   | 52                                                  |
| 351                   | 110                  | 59                   | 52                                                  |
| 352                   | 111                  | 20                   | 52                                                  |
| 353                   | 111                  | 41                   | 53                                                  |
| 354                   | 112                  | 2                    | 54                                                  |
| 355                   | 112                  | 23                   | 55                                                  |
| 356                   | 112                  | 44                   | 55                                                  |
| 357                   | 113                  | 5                    | 56                                                  |
| 358                   | 113                  | 26                   | 55                                                  |
| 359                   | 113                  | 47                   | 55                                                  |
| 360                   | 114                  | 8                    | 56                                                  |
| 361                   | 114                  | 29                   | 56                                                  |
| 362                   | 114                  | 50                   | 55                                                  |
| 363                   | 115                  | 11                   | 56                                                  |
| 364                   | 115                  | 33                   | 56                                                  |
| 365                   | 115                  | 54                   | 56                                                  |
| 366                   | 116                  | 15                   | 57                                                  |
| 367                   | 116                  | 36                   | 53                                                  |
| 368                   | 119                  | 12                   | 52                                                  |
| 369                   | 119                  | 46                   | 51                                                  |
| 370                   | 120                  | 7                    | 52                                                  |
| 371                   | 120                  | 29                   | 52                                                  |
| 372                   | 120                  | 50                   | 52                                                  |
| 373                   | 121                  | 12                   | 51                                                  |
| 374                   | 121                  | 34                   | 51                                                  |
| 375                   | 123                  | 15                   | 51                                                  |
| 376                   | 123                  | 77                   | 51                                                  |
| 377                   | 123                  | 58                   | 51                                                  |
| 378                   | 124                  | 20                   | 52                                                  |
| 379                   | 124                  | 41                   | 52                                                  |
| 380                   | 129                  | 21                   | *                                                   |
| 381                   | 129                  | 44                   | 52                                                  |
| 382                   | 130                  | 6                    | 51                                                  |
| 383                   | 130                  | 27                   | 51                                                  |
| 384                   | 130                  | 49                   | 51                                                  |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>HTR.<br>FIRE<br>EXT.<br>WASS<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 385                   | 131                  | 11                   | 51                                                   |
| 386                   | 139                  | 52                   | 51                                                   |
| 387                   | 140                  | 13                   | 51                                                   |
| 388                   | 140                  | 35                   | 50                                                   |
| 389                   | 140                  | 56                   | 51                                                   |
| 390                   | 141                  | 14                   | 51                                                   |
| 391                   | 148                  | 56                   | 50                                                   |
| 392                   | 149                  | 18                   | 51                                                   |
| 393                   | 149                  | 39                   | 51                                                   |
| 394                   | 150                  | 1                    | 50                                                   |
| 395                   | 150                  | 22                   | 51                                                   |
| 396                   | 150                  | 44                   | 50                                                   |

HH-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SWEET<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/TLEV<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 39                    | 1                    | 11                   | 41                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 41                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 40                    | 1                    | 54                   | *                                                       | *                                                       | *                                                        | *                                                       | 42                                                          | 40                                                         | 41                                                          | 42                                                         | 44                                                      | *                                                        |
| 41                    | 2                    | 16                   | 41                                                      | 41                                                      | 44                                                       | 40                                                      | 42                                                          | 41                                                         | 41                                                          | 42                                                         | 44                                                      | 57                                                       |
| 42                    | 2                    | 37                   | 40                                                      | 40                                                      | 44                                                       | 40                                                      | 43                                                          | 41                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 43                    | 2                    | 59                   | 40                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 40                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 44                    | 3                    | 20                   | 40                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 41                                                         | 41                                                          | 42                                                         | 44                                                      | *                                                        |
| 45                    | 3                    | 42                   | 40                                                      | 40                                                      | 44                                                       | 41                                                      | 42                                                          | 40                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 46                    | 4                    | 3                    | 41                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 41                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 47                    | 4                    | 25                   | 41                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 41                                                         | 42                                                          | 42                                                         | 44                                                      | 56                                                       |
| 48                    | 4                    | 46                   | 41                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 41                                                         | 42                                                          | 42                                                         | 44                                                      | 56                                                       |
| 49                    | 4                    | 7                    | 40                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 40                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 50                    | 5                    | 29                   | 40                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 40                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 51                    | 5                    | 50                   | 40                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 40                                                         | 41                                                          | 42                                                         | 44                                                      | 56                                                       |
| 52                    | 5                    | 12                   | 41                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 40                                                         | 42                                                          | 42                                                         | 44                                                      | 56                                                       |
| 53                    | 6                    | 33                   | 40                                                      | 40                                                      | 44                                                       | 40                                                      | 42                                                          | 41                                                         | 42                                                          | 42                                                         | 44                                                      | 56                                                       |
| 54                    | 6                    | 33                   | 41                                                      | 41                                                      | 44                                                       | 40                                                      | 42                                                          | 40                                                         | 42                                                          | 42                                                         | 44                                                      | 57                                                       |
| 55                    | 6                    | 55                   | 41                                                      | 41                                                      | 44                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 43                                                         | 45                                                      | 57                                                       |
| 56                    | 7                    | 16                   | 42                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 43                                                         | 45                                                      | 57                                                       |
| 57                    | 7                    | 37                   | 42                                                      | 41                                                      | 44                                                       | 42                                                      | 42                                                          | 42                                                         | 43                                                          | 44                                                         | 45                                                      | 58                                                       |
| 58                    | *                    | *                    | 42                                                      | 41                                                      | 44                                                       | 42                                                      | 42                                                          | 42                                                         | 43                                                          | 44                                                         | 45                                                      | 58                                                       |
| 59                    | 8                    | 19                   | 41                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 43                                                         | 45                                                      | 57                                                       |
| 60                    | 9                    | 40                   | 41                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 44                                                         | 45                                                      | 58                                                       |
| 61                    | 9                    | 2                    | 42                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 44                                                         | 45                                                      | 57                                                       |
| 62                    | 9                    | 23                   | 41                                                      | 41                                                      | 44                                                       | 41                                                      | 43                                                          | 42                                                         | 43                                                          | 44                                                         | 45                                                      | 57                                                       |
| 63                    | 9                    | 44                   | 41                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 42                                                         | 43                                                          | 43                                                         | 45                                                      | *                                                        |
| 64                    | 9                    | 5                    | 42                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 42                                                         | 44                                                          | 43                                                         | 45                                                      | 58                                                       |
| 65                    | 10                   | 26                   | 42                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 42                                                         | 44                                                          | 43                                                         | 45                                                      | 57                                                       |
| 66                    | 10                   | 47                   | 41                                                      | 41                                                      | 44                                                       | 41                                                      | 43                                                          | 42                                                         | 44                                                          | 44                                                         | 45                                                      | 58                                                       |
| 67                    | 10                   | 8                    | 41                                                      | 41                                                      | 45                                                       | 41                                                      | 43                                                          | 41                                                         | 44                                                          | 44                                                         | 45                                                      | 58                                                       |
| 68                    | 11                   | 29                   | 42                                                      | 41                                                      | 44                                                       | 41                                                      | 43                                                          | 41                                                         | 44                                                          | 44                                                         | 45                                                      | 57                                                       |
| 69                    | 11                   | 51                   | 42                                                      | 41                                                      | 44                                                       | 41                                                      | 43                                                          | 41                                                         | 44                                                          | 43                                                         | 45                                                      | 57                                                       |
| 70                    | 12                   | 12                   | 42                                                      | 41                                                      | 44                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 43                                                         | 45                                                      | 58                                                       |
| 71                    | 12                   | 33                   | 43                                                      | 41                                                      | 42                                                       | 41                                                      | 42                                                          | 42                                                         | 43                                                          | 43                                                         | 45                                                      | 57                                                       |
| 72                    | 12                   | 54                   | 42                                                      | 43                                                      | 42                                                       | 41                                                      | 42                                                          | 41                                                         | 43                                                          | 43                                                         | 45                                                      | 58                                                       |
| 73                    | 13                   | 15                   | 42                                                      | 43                                                      | 44                                                       | 41                                                      | 42                                                          | 41                                                         | 43                                                          | 43                                                         | 45                                                      | 56                                                       |
| 74                    | 13                   | 37                   | 44                                                      | 43                                                      | 43                                                       | 41                                                      | 42                                                          | 41                                                         | 43                                                          | 43                                                         | 45                                                      | 57                                                       |
| 75                    | 13                   | 58                   | 43                                                      | 43                                                      | 43                                                       | 41                                                      | 43                                                          | 41                                                         | 44                                                          | 44                                                         | 45                                                      | 46                                                       |
| 76                    | 14                   | 19                   | 43                                                      | 43                                                      | 43                                                       | 41                                                      | 42                                                          | 42                                                         | 43                                                          | 43                                                         | 46                                                      | 45                                                       |
| 77                    | 14                   | 40                   | 43                                                      | 42                                                      | 43                                                       | 41                                                      | 42                                                          | 41                                                         | 43                                                          | 43                                                         | 46                                                      | 46                                                       |
| 78                    | 15                   | 1                    | 43                                                      | 43                                                      | *                                                        | *                                                       | 42                                                          | 41                                                         | *                                                           | 43                                                         | 47                                                      | 46                                                       |
| 79                    | 15                   | 22                   | 43                                                      | 43                                                      | 43                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 43                                                         | 46                                                      | 46                                                       |
| 80                    | 15                   | 42                   | 43                                                      | 42                                                      | 44                                                       | 42                                                      | 43                                                          | 41                                                         | 43                                                          | 44                                                         | 47                                                      | 47                                                       |
| 81                    | 15                   | 5                    | 43                                                      | 43                                                      | 44                                                       | 42                                                      | 43                                                          | 42                                                         | 44                                                          | 44                                                         | 49                                                      | 51                                                       |
| 82                    | 16                   | 20                   | 43                                                      | 43                                                      | 43                                                       | *                                                       | *                                                           | 41                                                         | *                                                           | *                                                          | *                                                       | *                                                        |
| 83                    | 16                   | 47                   | 43                                                      | 42                                                      | 43                                                       | 41                                                      | 43                                                          | 41                                                         | 43                                                          | 43                                                         | 52                                                      | 49                                                       |
|                       | 15                   |                      | 43                                                      | 42                                                      | 43                                                       | 41                                                      | 43                                                          | 42                                                         | 43                                                          | 44                                                         | 56                                                      | 52                                                       |

| -01<br>SHEEP<br>COUNT | 5-12<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>TANK<br>1/3LEV<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.S.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.S.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.S.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.S.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| 84                    | 17                   | 8                    | 43                                               | 43                                                      | 43                                                       | 41                                                      | 43                                                          | 41                                                         | 45                                                          | 45                                                         | 60                                               | 54                                                |
| 85                    | 17                   | 29                   | 44                                               | 42                                                      | 44                                                       | 41                                                      | 43                                                          | 42                                                         | 46                                                          | 47                                                         | 63                                               | 55                                                |
| 86                    | 17                   | 50                   | 44                                               | 44                                                      | 44                                                       | 42                                                      | 44                                                          | 42                                                         | 47                                                          | 49                                                         | 66                                               | 59                                                |
| 87                    | 18                   | 11                   | 44                                               | 42                                                      | 44                                                       | 41                                                      | 43                                                          | 42                                                         | 49                                                          | 50                                                         | 68                                               | 60                                                |
| 88                    | 18                   | 32                   | 43                                               | 44                                                      | 43                                                       | 42                                                      | 43                                                          | 43                                                         | 50                                                          | 51                                                         | 71                                               | 62                                                |
| 89                    | 18                   | 53                   | 43                                               | 43                                                      | 44                                                       | 42                                                      | 43                                                          | 42                                                         | 51                                                          | 55                                                         | 75                                               | 59                                                |
| 90                    | 19                   | 15                   | 42                                               | 42                                                      | 42                                                       | 40                                                      | 42                                                          | 41                                                         | 56                                                          | 63                                                         | 79                                               | 61                                                |
| 91                    | 19                   | 36                   | 43                                               | 42                                                      | 44                                                       | 42                                                      | 44                                                          | 42                                                         | 61                                                          | 71                                                         | 82                                               | 64                                                |
| 92                    | 19                   | 57                   | 43                                               | 44                                                      | 44                                                       | 41                                                      | 43                                                          | 42                                                         | 64                                                          | 78                                                         | 85                                               | 66                                                |
| 93                    | 20                   | 18                   | 43                                               | 48                                                      | 45                                                       | 42                                                      | 42                                                          | 42                                                         | 67                                                          | 82                                                         | 87                                               | 68                                                |
| 94                    | 20                   | 39                   | 45                                               | 52                                                      | 48                                                       | 42                                                      | 44                                                          | 45                                                         | 69                                                          | 85                                                         | 89                                               | 69                                                |
| 95                    | 21                   | 0                    | 46                                               | 58                                                      | 51                                                       | 45                                                      | 48                                                          | 52                                                         | 71                                                          | 89                                                         | 91                                               | 70                                                |
| 96                    | 21                   | 21                   | 48                                               | 63                                                      | 53                                                       | 45                                                      | 52                                                          | 59                                                         | 72                                                          | 90                                                         | 91                                               | 71                                                |
| 97                    | 21                   | 42                   | 50                                               | 69                                                      | 58                                                       | 43                                                      | 56                                                          | 66                                                         | 72                                                          | 91                                                         | 93                                               | 72                                                |
| 98                    | 22                   | 3                    | 54                                               | 72                                                      | 59                                                       | 42                                                      | 59                                                          | 66                                                         | 73                                                          | 93                                                         | 95                                               | 73                                                |
| 99                    | 22                   | 45                   | 58                                               | 78                                                      | 62                                                       | 40                                                      | 61                                                          | 76                                                         | 76                                                          | 96                                                         | 95                                               | 74                                                |
| 100                   | 23                   | 6                    | 61                                               | 81                                                      | 64                                                       | 39                                                      | 63                                                          | 79                                                         | 78                                                          | 96                                                         | 95                                               | 74                                                |
| 101                   | 23                   | 27                   | 62                                               | 82                                                      | 64                                                       | 39                                                      | 64                                                          | 81                                                         | 79                                                          | 98                                                         | 96                                               | 74                                                |
| 102                   | 23                   | 48                   | 63                                               | 84                                                      | 66                                                       | 38                                                      | 65                                                          | 82                                                         | 78                                                          | 99                                                         | 96                                               | 75                                                |
| 103                   | 24                   | 9                    | 64                                               | 85                                                      | 67                                                       | 38                                                      | 66                                                          | 83                                                         | 79                                                          | 100                                                        | 96                                               | 75                                                |
| 104                   | 24                   | 30                   | 65                                               | 86                                                      | 68                                                       | 38                                                      | 66                                                          | 86                                                         | 79                                                          | 100                                                        | 97                                               | 75                                                |
| 105                   | 24                   | 51                   | 66                                               | 88                                                      | 68                                                       | 38                                                      | 67                                                          | 88                                                         | 79                                                          | 101                                                        | 98                                               | 76                                                |
| 106                   | 25                   | 12                   | 67                                               | 89                                                      | 69                                                       | 37                                                      | 69                                                          | 89                                                         | 80                                                          | 101                                                        | 98                                               | 76                                                |
| 107                   | 25                   | 33                   | 68                                               | 89                                                      | 70                                                       | 37                                                      | 69                                                          | 90                                                         | 80                                                          | 102                                                        | 99                                               | 76                                                |
| 108                   | 25                   | 54                   | 69                                               | 91                                                      | 71                                                       | 37                                                      | 71                                                          | 91                                                         | 81                                                          | 103                                                        | 99                                               | 77                                                |
| 109                   | 26                   | 15                   | 70                                               | 92                                                      | 71                                                       | 37                                                      | 71                                                          | 92                                                         | 81                                                          | 104                                                        | 100                                              | 77                                                |
| 110                   | 26                   | 36                   | 71                                               | 93                                                      | 71                                                       | 38                                                      | 71                                                          | 93                                                         | 81                                                          | 104                                                        | 100                                              | 77                                                |
| 111                   | 26                   | 57                   | 71                                               | 93                                                      | 72                                                       | 38                                                      | 72                                                          | 93                                                         | 82                                                          | 105                                                        | 100                                              | 78                                                |
| 112                   | 27                   | 18                   | 71                                               | 95                                                      | 73                                                       | 38                                                      | 73                                                          | 94                                                         | 83                                                          | 105                                                        | 100                                              | 78                                                |
| 113                   | 27                   | 39                   | 72                                               | 96                                                      | 75                                                       | 38                                                      | 74                                                          | 95                                                         | 83                                                          | 105                                                        | 100                                              | 78                                                |
| 114                   | 28                   | 0                    | 73                                               | 97                                                      | 76                                                       | 38                                                      | 74                                                          | 96                                                         | 85                                                          | 107                                                        | 101                                              | 81                                                |
| 115                   | 28                   | 21                   | 75                                               | 98                                                      | 76                                                       | 38                                                      | 76                                                          | 96                                                         | 85                                                          | 107                                                        | 102                                              | 81                                                |
| 116                   | 28                   | 42                   | 75                                               | 101                                                     | 78                                                       | 38                                                      | 76                                                          | 99                                                         | 85                                                          | 108                                                        | 105                                              | 81                                                |
| 117                   | 28                   | 63                   | 77                                               | 104                                                     | 80                                                       | 36                                                      | 76                                                          | 101                                                        | 85                                                          | 109                                                        | 107                                              | 83                                                |
| 118                   | 29                   | 24                   | 79                                               | 107                                                     | 82                                                       | 35                                                      | 77                                                          | 102                                                        | 87                                                          | 110                                                        | 110                                              | 85                                                |
| 119                   | 29                   | 45                   | 79                                               | 109                                                     | 83                                                       | 35                                                      | 79                                                          | 105                                                        | 87                                                          | 112                                                        | 113                                              | 87                                                |
| 120                   | 30                   | 6                    | 82                                               | 111                                                     | 84                                                       | 36                                                      | 79                                                          | 106                                                        | 88                                                          | 114                                                        | 114                                              | 88                                                |
| 121                   | 30                   | 28                   | 83                                               | 112                                                     | 85                                                       | 36                                                      | 80                                                          | 107                                                        | 89                                                          | 114                                                        | 118                                              | 90                                                |
| 122                   | 31                   | 0                    | 85                                               | 113                                                     | 86                                                       | 36                                                      | 81                                                          | 108                                                        | 89                                                          | 116                                                        | 118                                              | 90                                                |
| 123                   | 31                   | 10                   | 85                                               | 114                                                     | 88                                                       | 36                                                      | 82                                                          | 109                                                        | 91                                                          | 116                                                        | 119                                              | 92                                                |
| 124                   | 31                   | 31                   | 86                                               | 115                                                     | 89                                                       | 36                                                      | 82                                                          | 110                                                        | 91                                                          | 117                                                        | 119                                              | 92                                                |
| 125                   | 31                   | 52                   | 86                                               | 116                                                     | 89                                                       | 36                                                      | 82                                                          | 111                                                        | 90                                                          | 117                                                        | 119                                              | 92                                                |
| 126                   | 32                   | 13                   | 88                                               | 117                                                     | 89                                                       | 36                                                      | 83                                                          | 112                                                        | 92                                                          | 117                                                        | 121                                              | 93                                                |
| 127                   | 32                   | 34                   | 89                                               | 118                                                     | 89                                                       | 36                                                      | 83                                                          | 113                                                        | 92                                                          | 117                                                        | 122                                              | 93                                                |
| 128                   | 32                   | 56                   | 89                                               | 118                                                     | 89                                                       | 36                                                      | 83                                                          | 114                                                        | 91                                                          | 118                                                        | 123                                              | 93                                                |
| 129                   | 33                   | 17                   | 89                                               | 119                                                     | 89                                                       | 36                                                      | 83                                                          | 115                                                        | 92                                                          | 118                                                        | 123                                              | 93                                                |
| 130                   | 33                   | 38                   | 89                                               | 120                                                     | 91                                                       | 36                                                      | 83                                                          | 116                                                        | 92                                                          | 118                                                        | 123                                              | 94                                                |
| 131                   | 33                   | 59                   | 89                                               | 121                                                     | 91                                                       | 36                                                      | 83                                                          | 117                                                        | 92                                                          | 118                                                        | 123                                              | 94                                                |
| 132                   | 34                   | 20                   | 89                                               | 122                                                     | 91                                                       | 36                                                      | 83                                                          | 118                                                        | 92                                                          | 118                                                        | 123                                              | 94                                                |
| 133                   | 34                   | 41                   | 89                                               | 122                                                     | 91                                                       | 36                                                      | 83                                                          | 119                                                        | 92                                                          | 118                                                        | 123                                              | 94                                                |
| 134                   | 34                   | 62                   | 89                                               | 122                                                     | 91                                                       | 36                                                      | 83                                                          | 120                                                        | 92                                                          | 118                                                        | 123                                              | 94                                                |



| -01<br>SNEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/3LEV<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| 135                   | 35                   | 3                    | 95                                                      | 124                                                     | 98                                                       | 36                                                      | 91                                                          | 117                                                        | 95                                                          | 122                                                        | 129                                              | 103                                               |
| 136                   | 35                   | 24                   | 96                                                      | 125                                                     | 97                                                       | 36                                                      | 91                                                          | 118                                                        | 99                                                          | 123                                                        | 131                                              | 104                                               |
| 137                   | 35                   | 45                   | 97                                                      | 126                                                     | 99                                                       | 36                                                      | 92                                                          | 119                                                        | 99                                                          | 123                                                        | 133                                              | 105                                               |
| 138                   | 36                   | 6                    | 99                                                      | 126                                                     | 99                                                       | 36                                                      | 91                                                          | 119                                                        | 99                                                          | 124                                                        | 133                                              | 104                                               |
| 139                   | 36                   | 27                   | 99                                                      | 128                                                     | 100                                                      | 36                                                      | 92                                                          | 121                                                        | 100                                                         | 125                                                        | 134                                              | 105                                               |
| 140                   | 36                   | 48                   | 98                                                      | 128                                                     | 96                                                       | 36                                                      | 88                                                          | 120                                                        | 100                                                         | 125                                                        | 134                                              | 105                                               |
| 141                   | 37                   | 10                   | 97                                                      | 127                                                     | 95                                                       | 36                                                      | 88                                                          | 119                                                        | 96                                                          | 124                                                        | 133                                              | 101                                               |
| 142                   | 37                   | 31                   | 96                                                      | 127                                                     | 96                                                       | 36                                                      | 88                                                          | 119                                                        | 96                                                          | 124                                                        | 133                                              | 101                                               |
| 143                   | 37                   | 52                   | 96                                                      | 126                                                     | 94                                                       | 36                                                      | 87                                                          | 119                                                        | 95                                                          | 123                                                        | 132                                              | 101                                               |
| 144                   | 38                   | 13                   | 94                                                      | 125                                                     | 93                                                       | 36                                                      | 86                                                          | 118                                                        | 95                                                          | 122                                                        | 131                                              | 99                                                |
| 145                   | 38                   | 34                   | 93                                                      | 125                                                     | 93                                                       | 36                                                      | 86                                                          | 118                                                        | 94                                                          | 122                                                        | 131                                              | 99                                                |
| 146                   | 38                   | 55                   | 93                                                      | 125                                                     | 93                                                       | 36                                                      | 86                                                          | 118                                                        | 94                                                          | 122                                                        | 131                                              | 98                                                |
| 147                   | 39                   | 16                   | 92                                                      | 123                                                     | 93                                                       | 36                                                      | 86                                                          | 117                                                        | 96                                                          | 122                                                        | 130                                              | 98                                                |
| 148                   | 39                   | 37                   | 93                                                      | 123                                                     | 93                                                       | 36                                                      | 86                                                          | 117                                                        | 96                                                          | 122                                                        | 130                                              | 98                                                |
| 149                   | 39                   | 19                   | 93                                                      | 125                                                     | 93                                                       | 36                                                      | 86                                                          | 117                                                        | 94                                                          | 122                                                        | 130                                              | 98                                                |
| 150                   | 40                   | 20                   | 93                                                      | 124                                                     | 93                                                       | 36                                                      | 85                                                          | 117                                                        | 94                                                          | 122                                                        | 130                                              | 99                                                |
| 151                   | 40                   | 41                   | 92                                                      | 123                                                     | 93                                                       | 36                                                      | 85                                                          | 117                                                        | 93                                                          | 121                                                        | 130                                              | 98                                                |
| 152                   | 41                   | 2                    | 93                                                      | 125                                                     | 93                                                       | 36                                                      | 85                                                          | 117                                                        | 93                                                          | 121                                                        | 130                                              | 98                                                |
| 153                   | 41                   | 23                   | 93                                                      | 125                                                     | 93                                                       | 36                                                      | 86                                                          | 117                                                        | 93                                                          | 121                                                        | 130                                              | 97                                                |
| 154                   | 41                   | 44                   | 93                                                      | 125                                                     | 92                                                       | 37                                                      | 86                                                          | 117                                                        | 93                                                          | 121                                                        | 130                                              | 98                                                |
| 155                   | 42                   | 5                    | 93                                                      | 124                                                     | 93                                                       | 37                                                      | 86                                                          | 117                                                        | 93                                                          | 121                                                        | 129                                              | 98                                                |
| 156                   | 42                   | 26                   | 93                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 117                                                        | 92                                                          | 120                                                        | 129                                              | 96                                                |
| 157                   | 42                   | 47                   | 93                                                      | 123                                                     | 92                                                       | 37                                                      | 88                                                          | 117                                                        | 93                                                          | 120                                                        | 127                                              | 98                                                |
| 158                   | 43                   | 8                    | 92                                                      | 123                                                     | 91                                                       | 36                                                      | 86                                                          | 117                                                        | 92                                                          | 119                                                        | 127                                              | 96                                                |
| 159                   | 43                   | 30                   | 92                                                      | 123                                                     | 91                                                       | 36                                                      | 86                                                          | 116                                                        | 94                                                          | 120                                                        | 127                                              | 96                                                |
| 160                   | 43                   | 51                   | 92                                                      | 122                                                     | 93                                                       | 36                                                      | 87                                                          | 117                                                        | 93                                                          | 120                                                        | 127                                              | 98                                                |
| 161                   | 44                   | 12                   | 93                                                      | 122                                                     | 94                                                       | 37                                                      | 89                                                          | 117                                                        | 96                                                          | 120                                                        | 127                                              | 100                                               |
| 162                   | 44                   | 33                   | 94                                                      | 123                                                     | 92                                                       | 36                                                      | 89                                                          | 116                                                        | 95                                                          | 121                                                        | 127                                              | 96                                                |
| 163                   | 44                   | 54                   | 93                                                      | 123                                                     | 95                                                       | 36                                                      | 83                                                          | 117                                                        | 97                                                          | 120                                                        | 128                                              | 100                                               |
| 164                   | 45                   | 15                   | 93                                                      | 122                                                     | 92                                                       | 37                                                      | 86                                                          | 116                                                        | 94                                                          | 121                                                        | 128                                              | 98                                                |
| 165                   | 45                   | 36                   | 92                                                      | 122                                                     | 92                                                       | 37                                                      | 86                                                          | 116                                                        | 94                                                          | 121                                                        | 128                                              | 97                                                |
| 166                   | 45                   | 57                   | 92                                                      | 122                                                     | 92                                                       | 36                                                      | 86                                                          | 116                                                        | 93                                                          | 121                                                        | 128                                              | 94                                                |
| 167                   | 46                   | 19                   | 92                                                      | 123                                                     | 92                                                       | 37                                                      | 85                                                          | 117                                                        | 93                                                          | 120                                                        | 129                                              | 98                                                |
| 168                   | 46                   | 40                   | 92                                                      | 124                                                     | 92                                                       | 36                                                      | 85                                                          | 116                                                        | 92                                                          | 121                                                        | 129                                              | 97                                                |
| 169                   | 47                   | 1                    | 92                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 117                                                        | 92                                                          | 121                                                        | 129                                              | 97                                                |
| 170                   | 47                   | 22                   | 92                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 117                                                        | 92                                                          | 120                                                        | 129                                              | 96                                                |
| 171                   | 47                   | 43                   | 92                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 117                                                        | 92                                                          | 119                                                        | 128                                              | 96                                                |
| 172                   | 47                   | 4                    | 92                                                      | 123                                                     | 92                                                       | 37                                                      | 85                                                          | 117                                                        | 91                                                          | 120                                                        | 128                                              | 96                                                |
| 173                   | 48                   | 25                   | 91                                                      | 122                                                     | 91                                                       | 37                                                      | 85                                                          | 116                                                        | 92                                                          | 119                                                        | 127                                              | 94                                                |
| 174                   | 48                   | 46                   | 91                                                      | 122                                                     | 91                                                       | 37                                                      | 85                                                          | 116                                                        | 91                                                          | 119                                                        | 127                                              | 95                                                |
| 175                   | 49                   | 7                    | 91                                                      | 123                                                     | 92                                                       | 37                                                      | 85                                                          | 116                                                        | 91                                                          | 119                                                        | 127                                              | 96                                                |
| 176                   | 49                   | 28                   | 91                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 117                                                        | 91                                                          | 119                                                        | 127                                              | 96                                                |
| 177                   | 49                   | 50                   | 92                                                      | 124                                                     | 92                                                       | 36                                                      | 85                                                          | 116                                                        | 91                                                          | 119                                                        | 126                                              | 95                                                |
| 178                   | 50                   | 11                   | 91                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 116                                                        | 91                                                          | 119                                                        | 126                                              | 95                                                |
| 179                   | 50                   | 32                   | 93                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 116                                                        | 91                                                          | 119                                                        | 127                                              | 96                                                |
| 180                   | 50                   | 53                   | 92                                                      | 123                                                     | 92                                                       | 37                                                      | 85                                                          | 117                                                        | 91                                                          | 119                                                        | 126                                              | 98                                                |
| 181                   | 51                   | 14                   | 92                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 116                                                        | 91                                                          | 118                                                        | 127                                              | 98                                                |
| 182                   | 51                   | 35                   | 92                                                      | 123                                                     | 93                                                       | 36                                                      | 85                                                          | 116                                                        | 92                                                          | 119                                                        | 127                                              | 96                                                |
| 183                   | 51                   | 56                   | 92                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 117                                                        | 91                                                          | 119                                                        | 127                                              | 96                                                |
| 184                   | 52                   | 17                   | 92                                                      | 123                                                     | 92                                                       | 36                                                      | 85                                                          | 116                                                        | 91                                                          | 118                                                        | 127                                              | 95                                                |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/3L.V.<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-09<br>ENG.1<br>N.3.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.3.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.3.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.3.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 185                   | 52                   | 39                   | 91                                                       | 122                                                     | 92                                                       | 85                                                         | 116                                                        | 91                                                          | 118                                                        | 126                                                     | 96                                                       |
| 186                   | 53                   | 0                    | 91                                                       | 123                                                     | 92                                                       | 85                                                         | 117                                                        | 91                                                          | 119                                                        | 126                                                     | 96                                                       |
| 187                   | 53                   | 21                   | 91                                                       | 122                                                     | 92                                                       | 85                                                         | 116                                                        | 91                                                          | 119                                                        | 126                                                     | 96                                                       |
| 188                   | 52                   | 42                   | 91                                                       | 122                                                     | 92                                                       | 85                                                         | 116                                                        | 91                                                          | 118                                                        | 127                                                     | 96                                                       |
| 189                   | 54                   | 3                    | 92                                                       | 122                                                     | 92                                                       | 85                                                         | 116                                                        | 91                                                          | 118                                                        | 126                                                     | 96                                                       |
| 190                   | 54                   | 24                   | 91                                                       | 123                                                     | 91                                                       | 85                                                         | 116                                                        | 91                                                          | 118                                                        | 126                                                     | 96                                                       |
| 191                   | 54                   | 45                   | 91                                                       | 122                                                     | 92                                                       | 85                                                         | 115                                                        | 91                                                          | 118                                                        | 126                                                     | 96                                                       |
| 192                   | 55                   | 6                    | 91                                                       | 122                                                     | 91                                                       | 85                                                         | 116                                                        | 91                                                          | 119                                                        | 127                                                     | 95                                                       |
| 193                   | 55                   | 27                   | 91                                                       | 122                                                     | 92                                                       | 85                                                         | 116                                                        | 92                                                          | 119                                                        | 126                                                     | 95                                                       |
| 194                   | 55                   | 40                   | 91                                                       | 122                                                     | 92                                                       | 85                                                         | 116                                                        | 92                                                          | 118                                                        | 126                                                     | 95                                                       |
| 195                   | 56                   | 9                    | 91                                                       | 122                                                     | 92                                                       | 85                                                         | 116                                                        | 91                                                          | 119                                                        | 127                                                     | 96                                                       |
| 196                   | 56                   | 30                   | 91                                                       | 122                                                     | 92                                                       | 84                                                         | 116                                                        | 91                                                          | 118                                                        | 126                                                     | 95                                                       |
| 197                   | 56                   | 51                   | 90                                                       | 122                                                     | 91                                                       | 85                                                         | 115                                                        | 91                                                          | 118                                                        | 125                                                     | 95                                                       |
| 198                   | 57                   | 13                   | 91                                                       | 120                                                     | 90                                                       | 83                                                         | 116                                                        | 91                                                          | 118                                                        | 124                                                     | 91                                                       |
| 199                   | 57                   | 34                   | 90                                                       | 120                                                     | 89                                                       | 83                                                         | 115                                                        | 91                                                          | 118                                                        | 125                                                     | 93                                                       |
| 200                   | 57                   | 55                   | 89                                                       | 118                                                     | 87                                                       | 83                                                         | 115                                                        | 91                                                          | 117                                                        | 122                                                     | 91                                                       |
| 201                   | 58                   | 16                   | 88                                                       | 116                                                     | 87                                                       | 84                                                         | 113                                                        | 91                                                          | 116                                                        | 119                                                     | 92                                                       |
| 202                   | 58                   | 37                   | 87                                                       | 112                                                     | 83                                                       | 82                                                         | 112                                                        | 89                                                          | 115                                                        | 116                                                     | 87                                                       |
| 203                   | 58                   | 58                   | 85                                                       | 111                                                     | 83                                                       | 82                                                         | 111                                                        | 89                                                          | 113                                                        | 115                                                     | 87                                                       |
| 204                   | 59                   | 19                   | 84                                                       | 110                                                     | 82                                                       | 81                                                         | 109                                                        | 88                                                          | 112                                                        | 113                                                     | 86                                                       |
| 205                   | 59                   | 40                   | 83                                                       | 109                                                     | 81                                                       | 81                                                         | 109                                                        | 86                                                          | 111                                                        | 112                                                     | 84                                                       |
| 206                   | 60                   | 1                    | 82                                                       | 108                                                     | 81                                                       | 79                                                         | 107                                                        | 86                                                          | 110                                                        | 110                                                     | 84                                                       |
| 207                   | 60                   | 22                   | 81                                                       | 107                                                     | 82                                                       | 79                                                         | 107                                                        | 86                                                          | 110                                                        | 111                                                     | 85                                                       |
| 208                   | 60                   | 43                   | 81                                                       | 110                                                     | 87                                                       | 79                                                         | 107                                                        | 86                                                          | 111                                                        | 114                                                     | 87                                                       |
| 209                   | 61                   | 4                    | 82                                                       | 113                                                     | 85                                                       | 80                                                         | 109                                                        | 88                                                          | 113                                                        | 116                                                     | 88                                                       |
| 210                   | 61                   | 25                   | 85                                                       | 114                                                     | 85                                                       | 81                                                         | 110                                                        | 89                                                          | 114                                                        | 118                                                     | 89                                                       |
| 211                   | 61                   | 46                   | 85                                                       | 115                                                     | 87                                                       | 82                                                         | 110                                                        | 88                                                          | 114                                                        | 119                                                     | 90                                                       |
| 212                   | 62                   | 7                    | 87                                                       | 118                                                     | 88                                                       | 82                                                         | 112                                                        | 89                                                          | 115                                                        | 120                                                     | 91                                                       |
| 213                   | 62                   | 29                   | 87                                                       | 118                                                     | 83                                                       | 82                                                         | 112                                                        | 89                                                          | 115                                                        | 120                                                     | 92                                                       |
| 214                   | 62                   | 50                   | 87                                                       | 118                                                     | 89                                                       | 82                                                         | 113                                                        | 90                                                          | 115                                                        | 121                                                     | 92                                                       |
| 215                   | 62                   | 11                   | 88                                                       | 118                                                     | 83                                                       | 82                                                         | 113                                                        | 89                                                          | 116                                                        | 122                                                     | 92                                                       |
| 216                   | 63                   | 32                   | 89                                                       | 119                                                     | 89                                                       | 82                                                         | 113                                                        | 89                                                          | 117                                                        | 123                                                     | 92                                                       |
| 217                   | 63                   | 52                   | 88                                                       | 119                                                     | 90                                                       | 83                                                         | 114                                                        | 90                                                          | 117                                                        | 123                                                     | 93                                                       |
| 218                   | 64                   | 14                   | 89                                                       | 119                                                     | 90                                                       | 83                                                         | 114                                                        | 89                                                          | 117                                                        | 125                                                     | 93                                                       |
| 219                   | 64                   | 35                   | 89                                                       | 120                                                     | 90                                                       | 84                                                         | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 93                                                       |
| 220                   | 64                   | 56                   | 89                                                       | 120                                                     | 90                                                       | 83                                                         | 114                                                        | 90                                                          | 118                                                        | 123                                                     | 93                                                       |
| 221                   | 65                   | 17                   | 89                                                       | 120                                                     | 91                                                       | 83                                                         | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 94                                                       |
| 222                   | 65                   | 38                   | 89                                                       | 120                                                     | 90                                                       | 83                                                         | 115                                                        | 91                                                          | 118                                                        | 125                                                     | 94                                                       |
| 223                   | 66                   | 0                    | 89                                                       | 121                                                     | 90                                                       | 84                                                         | 115                                                        | 91                                                          | 118                                                        | 124                                                     | 94                                                       |
| 224                   | 66                   | 21                   | 90                                                       | 121                                                     | 90                                                       | 84                                                         | 115                                                        | 90                                                          | 118                                                        | 124                                                     | 94                                                       |
| 225                   | 66                   | 42                   | 91                                                       | 120                                                     | 91                                                       | 84                                                         | 115                                                        | 90                                                          | 118                                                        | 125                                                     | 94                                                       |
| 226                   | 67                   | 3                    | 89                                                       | 120                                                     | 91                                                       | 83                                                         | 115                                                        | 92                                                          | 119                                                        | 125                                                     | 94                                                       |
| 227                   | 67                   | 24                   | 90                                                       | 121                                                     | 91                                                       | 83                                                         | 115                                                        | 92                                                          | 119                                                        | 125                                                     | 94                                                       |
| 228                   | 67                   | 45                   | 90                                                       | 121                                                     | 91                                                       | 83                                                         | 115                                                        | 91                                                          | 119                                                        | 125                                                     | 94                                                       |
| 229                   | 68                   | 6                    | 90                                                       | 121                                                     | 93                                                       | 83                                                         | 115                                                        | 91                                                          | 118                                                        | 126                                                     | 93                                                       |
| 230                   | 68                   | 17                   | 90                                                       | 121                                                     | 90                                                       | 83                                                         | 115                                                        | 91                                                          | 118                                                        | 126                                                     | 93                                                       |
| 231                   | 68                   | 38                   | 90                                                       | 120                                                     | 90                                                       | 82                                                         | 115                                                        | 91                                                          | 119                                                        | 125                                                     | 94                                                       |
| 232                   | 69                   | 8                    | 90                                                       | 120                                                     | 90                                                       | 82                                                         | 115                                                        | 91                                                          | 118                                                        | 125                                                     | 94                                                       |
| 233                   | 69                   | 29                   | 89                                                       | 120                                                     | 89                                                       | 82                                                         | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 92                                                       |
| 234                   | 69                   | 50                   | 89                                                       | 121                                                     | 85                                                       | 81                                                         | 114                                                        | 89                                                          | 117                                                        | 122                                                     | 88                                                       |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.S.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.S.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.S.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.S.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 235                   | 70                   | 13                   | 86                                            | 116                                                     | 62                                                       | 38                                                      | 80                                                          | 112                                                        | 86                                                          | 117                                                        | 128                                                     | 86                                                       |
| 236                   | 70                   | 34                   | 83                                            | 112                                                     | 61                                                       | 37                                                      | 79                                                          | 112                                                        | 86                                                          | 115                                                        | 117                                                     | 83                                                       |
| 237                   | 70                   | 55                   | 82                                            | 111                                                     | 60                                                       | 36                                                      | 78                                                          | 111                                                        | 86                                                          | 115                                                        | 115                                                     | 82                                                       |
| 238                   | 71                   | 16                   | 81                                            | 109                                                     | 61                                                       | 39                                                      | 80                                                          | 110                                                        | 86                                                          | 114                                                        | 113                                                     | 82                                                       |
| 239                   | 71                   | 33                   | 80                                            | 108                                                     | 78                                                       | 39                                                      | 79                                                          | 108                                                        | 85                                                          | 114                                                        | 112                                                     | 82                                                       |
| 240                   | 71                   | 58                   | 78                                            | 106                                                     | 73                                                       | 37                                                      | 77                                                          | 106                                                        | 85                                                          | 111                                                        | 110                                                     | 82                                                       |
| 241                   | 72                   | 19                   | 78                                            | 107                                                     | 79                                                       | 38                                                      | 76                                                          | 107                                                        | 85                                                          | 111                                                        | 110                                                     | 82                                                       |
| 242                   | 72                   | 40                   | 79                                            | 108                                                     | 78                                                       | 38                                                      | 77                                                          | 108                                                        | 85                                                          | 112                                                        | 111                                                     | 82                                                       |
| 243                   | 73                   | 1                    | 79                                            | 106                                                     | 78                                                       | 38                                                      | 77                                                          | 106                                                        | 85                                                          | 111                                                        | 110                                                     | 81                                                       |
| 244                   | 73                   | 22                   | 78                                            | 105                                                     | 78                                                       | 38                                                      | 77                                                          | 105                                                        | 85                                                          | 111                                                        | 107                                                     | 80                                                       |
| 245                   | 73                   | 43                   | 77                                            | 105                                                     | 79                                                       | 38                                                      | 78                                                          | 105                                                        | 84                                                          | 110                                                        | 107                                                     | 82                                                       |
| 246                   | 74                   | 4                    | 79                                            | 106                                                     | 83                                                       | 38                                                      | 79                                                          | 107                                                        | 85                                                          | 111                                                        | 111                                                     | 85                                                       |
| 247                   | 74                   | 25                   | 81                                            | 110                                                     | 84                                                       | 39                                                      | 79                                                          | 108                                                        | 86                                                          | 112                                                        | 113                                                     | 86                                                       |
| 248                   | 74                   | 46                   | 82                                            | 112                                                     | 85                                                       | 38                                                      | 80                                                          | 110                                                        | 88                                                          | 113                                                        | 115                                                     | 86                                                       |
| 249                   | 75                   | 7                    | 82                                            | 114                                                     | 86                                                       | 38                                                      | 81                                                          | 109                                                        | 88                                                          | 114                                                        | 117                                                     | 89                                                       |
| 250                   | 75                   | 28                   | 85                                            | 115                                                     | 86                                                       | 38                                                      | 82                                                          | 110                                                        | 88                                                          | 115                                                        | 118                                                     | 90                                                       |
| 251                   | 75                   | 49                   | 86                                            | 115                                                     | 88                                                       | 38                                                      | 81                                                          | 110                                                        | 89                                                          | 115                                                        | 119                                                     | 91                                                       |
| 252                   | 76                   | 10                   | 86                                            | 116                                                     | 87                                                       | 38                                                      | 82                                                          | 111                                                        | 89                                                          | 115                                                        | 120                                                     | 91                                                       |
| 253                   | 76                   | 32                   | 86                                            | 116                                                     | 88                                                       | 38                                                      | 82                                                          | 112                                                        | 89                                                          | 116                                                        | 120                                                     | 92                                                       |
| 254                   | 76                   | 53                   | 88                                            | 118                                                     | 89                                                       | 38                                                      | 82                                                          | 112                                                        | 89                                                          | 116                                                        | 122                                                     | 92                                                       |
| 255                   | 77                   | 14                   | 88                                            | 118                                                     | 88                                                       | 39                                                      | 82                                                          | 113                                                        | 89                                                          | 117                                                        | 122                                                     | 92                                                       |
| 256                   | 77                   | 35                   | 88                                            | 118                                                     | 89                                                       | 38                                                      | 83                                                          | 113                                                        | 90                                                          | 116                                                        | 122                                                     | 93                                                       |
| 257                   | 77                   | 56                   | 89                                            | 119                                                     | 89                                                       | 38                                                      | 82                                                          | 113                                                        | 90                                                          | 116                                                        | 123                                                     | 93                                                       |
| 258                   | 78                   | 17                   | 88                                            | 119                                                     | 89                                                       | 38                                                      | 83                                                          | 113                                                        | 90                                                          | 116                                                        | 123                                                     | 92                                                       |
| 259                   | 78                   | 38                   | 89                                            | 119                                                     | 90                                                       | 38                                                      | 83                                                          | 113                                                        | 90                                                          | 117                                                        | 123                                                     | 93                                                       |
| 260                   | 78                   | 59                   | 89                                            | 119                                                     | 91                                                       | 38                                                      | 83                                                          | 113                                                        | 91                                                          | 118                                                        | 124                                                     | 94                                                       |
| 261                   | 79                   | 21                   | 89                                            | 119                                                     | 89                                                       | 38                                                      | 83                                                          | 114                                                        | 90                                                          | 118                                                        | 124                                                     | 94                                                       |
| 262                   | 79                   | 42                   | 89                                            | 119                                                     | 91                                                       | 38                                                      | 84                                                          | 113                                                        | 89                                                          | 117                                                        | 124                                                     | 93                                                       |
| 263                   | 80                   | 3                    | 89                                            | 120                                                     | 90                                                       | 38                                                      | 84                                                          | 114                                                        | 90                                                          | 118                                                        | 124                                                     | 94                                                       |
| 264                   | 80                   | 24                   | 90                                            | 120                                                     | 91                                                       | 38                                                      | 84                                                          | 115                                                        | 90                                                          | 118                                                        | 124                                                     | 94                                                       |
| 265                   | 80                   | 45                   | 89                                            | 116                                                     | 89                                                       | 38                                                      | 79                                                          | 110                                                        | 86                                                          | 113                                                        | 120                                                     | 89                                                       |
| 266                   | 81                   | 6                    | 89                                            | 120                                                     | 91                                                       | 38                                                      | 83                                                          | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 93                                                       |
| 267                   | 81                   | 27                   | 89                                            | 119                                                     | 89                                                       | 38                                                      | 83                                                          | 114                                                        | 91                                                          | 116                                                        | 123                                                     | 93                                                       |
| 268                   | 81                   | 49                   | 89                                            | 119                                                     | 90                                                       | 38                                                      | 85                                                          | 112                                                        | 92                                                          | 116                                                        | 123                                                     | 95                                                       |
| 269                   | 82                   | 10                   | 89                                            | 116                                                     | 89                                                       | 38                                                      | 83                                                          | 114                                                        | 92                                                          | 118                                                        | 123                                                     | 92                                                       |
| 270                   | 82                   | 31                   | 89                                            | 116                                                     | 86                                                       | 38                                                      | 83                                                          | 113                                                        | 90                                                          | 116                                                        | 121                                                     | 90                                                       |
| 271                   | 82                   | 52                   | 80                                            | 113                                                     | 85                                                       | 41                                                      | 83                                                          | 112                                                        | 90                                                          | 115                                                        | 118                                                     | 89                                                       |
| 272                   | 83                   | 13                   | 86                                            | 111                                                     | 83                                                       | 40                                                      | 82                                                          | 111                                                        | 89                                                          | 115                                                        | 116                                                     | 88                                                       |
| 273                   | 83                   | 34                   | 85                                            | 109                                                     | 83                                                       | 41                                                      | 82                                                          | 110                                                        | 89                                                          | 113                                                        | 114                                                     | 86                                                       |
| 274                   | 83                   | 55                   | 82                                            | 108                                                     | 81                                                       | 40                                                      | 81                                                          | 109                                                        | 87                                                          | 112                                                        | 113                                                     | 85                                                       |
| 275                   | 84                   | 16                   | 82                                            | 107                                                     | 82                                                       | 40                                                      | 80                                                          | 108                                                        | 87                                                          | 112                                                        | 112                                                     | 85                                                       |
| 276                   | 84                   | 37                   | 81                                            | 106                                                     | 81                                                       | 41                                                      | 80                                                          | 108                                                        | 86                                                          | 112                                                        | 111                                                     | 83                                                       |
| 277                   | 84                   | 58                   | 81                                            | 105                                                     | 81                                                       | 41                                                      | 80                                                          | 107                                                        | 86                                                          | 111                                                        | 109                                                     | 83                                                       |
| 278                   | 85                   | 19                   | 79                                            | 104                                                     | 80                                                       | 41                                                      | 79                                                          | 105                                                        | 86                                                          | 112                                                        | 108                                                     | 83                                                       |
| 279                   | 85                   | 40                   | 79                                            | 103                                                     | 79                                                       | 41                                                      | 78                                                          | 106                                                        | 87                                                          | 111                                                        | 108                                                     | 83                                                       |
| 280                   | 85                   | 1                    | 79                                            | 104                                                     | 80                                                       | 39                                                      | 78                                                          | 105                                                        | 86                                                          | 111                                                        | 110                                                     | 85                                                       |
| 281                   | 86                   | 22                   | 76                                            | 108                                                     | 82                                                       | 39                                                      | 79                                                          | 105                                                        | 87                                                          | 112                                                        | 113                                                     | 86                                                       |
| 282                   | 86                   | 43                   | 81                                            | 110                                                     | 83                                                       | 39                                                      | 78                                                          | 106                                                        | 88                                                          | 113                                                        | 115                                                     | 88                                                       |
| 283                   | 87                   | 4                    | 82                                            | 111                                                     | 84                                                       | 39                                                      | 79                                                          | 108                                                        | 88                                                          | 114                                                        | 117                                                     | 89                                                       |
| 284                   | 87                   | 25                   | 82                                            | 112                                                     | 85                                                       | 38                                                      | 80                                                          | 109                                                        | 89                                                          | 114                                                        | 117                                                     | 89                                                       |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG-1<br>OIL<br>TANK<br>1/3 LEV<br>TEMP<br>DEG.C | 5-06<br>ENG-1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG-1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG-1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG-1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-10<br>ENG-1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG-2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG-2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG-2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG-2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 285                   | 67                   | 46                   | 84                                                       | 113                                                     | 85                                                       | 79                                                      | 81                                                         | 109                                                        | 89                                                          | 115                                                        | 119                                                     | 90                                                       |
| 286                   | 68                   | 6                    | 85                                                       | 115                                                     | 86                                                       | 39                                                      | 81                                                         | 110                                                        | 89                                                          | 115                                                        | 119                                                     | 91                                                       |
| 287                   | 68                   | 29                   | 85                                                       | 115                                                     | 86                                                       | 39                                                      | 81                                                         | 110                                                        | 89                                                          | 116                                                        | 120                                                     | 91                                                       |
| 288                   | 68                   | 50                   | 86                                                       | 115                                                     | 86                                                       | 39                                                      | 82                                                         | 111                                                        | 90                                                          | 116                                                        | 121                                                     | 92                                                       |
| 289                   | 69                   | 11                   | 85                                                       | 115                                                     | 86                                                       | 38                                                      | 81                                                         | 112                                                        | 90                                                          | 116                                                        | 120                                                     | 91                                                       |
| 290                   | 69                   | 32                   | 86                                                       | 116                                                     | 87                                                       | 38                                                      | 81                                                         | 112                                                        | 90                                                          | 116                                                        | 122                                                     | 92                                                       |
| 291                   | 69                   | 53                   | 86                                                       | 116                                                     | 88                                                       | 39                                                      | 81                                                         | 112                                                        | 90                                                          | 117                                                        | 122                                                     | 92                                                       |
| 292                   | 90                   | 15                   | 86                                                       | 117                                                     | 88                                                       | 38                                                      | 81                                                         | 112                                                        | 90                                                          | 117                                                        | 122                                                     | 93                                                       |
| 293                   | 90                   | 36                   | 86                                                       | 117                                                     | 89                                                       | 38                                                      | 82                                                         | 113                                                        | 90                                                          | 117                                                        | 122                                                     | 92                                                       |
| 294                   | 90                   | 57                   | 88                                                       | 117                                                     | 88                                                       | 39                                                      | 82                                                         | 113                                                        | 90                                                          | 118                                                        | 122                                                     | 93                                                       |
| 295                   | 91                   | 18                   | 87                                                       | 118                                                     | 88                                                       | 39                                                      | 82                                                         | 113                                                        | 90                                                          | 117                                                        | 123                                                     | 93                                                       |
| 296                   | 91                   | 39                   | 88                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 113                                                        | 91                                                          | 118                                                        | 123                                                     | 93                                                       |
| 297                   | 92                   | 0                    | 88                                                       | 118                                                     | 88                                                       | 39                                                      | 82                                                         | 113                                                        | 90                                                          | 118                                                        | 123                                                     | 92                                                       |
| 298                   | 92                   | 21                   | 87                                                       | 119                                                     | 88                                                       | 39                                                      | 82                                                         | 113                                                        | 91                                                          | 117                                                        | 123                                                     | 93                                                       |
| 299                   | 92                   | 43                   | 88                                                       | 118                                                     | 88                                                       | 39                                                      | 83                                                         | 113                                                        | 89                                                          | 118                                                        | 123                                                     | 92                                                       |
| 300                   | 93                   | 4                    | 88                                                       | 118                                                     | 88                                                       | 39                                                      | 82                                                         | 114                                                        | 90                                                          | 118                                                        | 123                                                     | 93                                                       |
| 301                   | 93                   | 25                   | 89                                                       | 118                                                     | 89                                                       | 39                                                      | 82                                                         | 113                                                        | 91                                                          | 118                                                        | 123                                                     | 93                                                       |
| 302                   | 93                   | 46                   | 89                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 93                                                       |
| 303                   | 94                   | 7                    | 89                                                       | 119                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 93                                                       |
| 304                   | 94                   | 28                   | 89                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 90                                                          | 118                                                        | 124                                                     | 93                                                       |
| 305                   | 94                   | 49                   | 88                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 91                                                          | 118                                                        | 123                                                     | 92                                                       |
| 306                   | 95                   | 10                   | 88                                                       | 118                                                     | 89                                                       | 39                                                      | 82                                                         | 113                                                        | 91                                                          | 118                                                        | 124                                                     | 93                                                       |
| 307                   | 95                   | 32                   | 88                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 113                                                        | 91                                                          | 118                                                        | 123                                                     | 93                                                       |
| 308                   | 95                   | 53                   | 89                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 113                                                        | 91                                                          | 118                                                        | 124                                                     | 93                                                       |
| 309                   | 95                   | 14                   | 89                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 90                                                          | 118                                                        | 124                                                     | 92                                                       |
| 310                   | 96                   | 35                   | 88                                                       | 118                                                     | 88                                                       | 39                                                      | 82                                                         | 114                                                        | 91                                                          | 118                                                        | 123                                                     | 93                                                       |
| 311                   | 96                   | 56                   | 88                                                       | 118                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 91                                                          | 118                                                        | 123                                                     | 93                                                       |
| 312                   | 97                   | 17                   | 89                                                       | 119                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 95                                                       |
| 313                   | 97                   | 39                   | 89                                                       | 119                                                     | 89                                                       | 39                                                      | 83                                                         | 114                                                        | 91                                                          | 118                                                        | 124                                                     | 93                                                       |
| 314                   | 98                   | 0                    | 89                                                       | 118                                                     | 89                                                       | 41                                                      | 84                                                         | 115                                                        | 92                                                          | 118                                                        | 123                                                     | 92                                                       |
| 315                   | 98                   | 21                   | 89                                                       | 115                                                     | 85                                                       | 41                                                      | 83                                                         | 113                                                        | 91                                                          | 117                                                        | 120                                                     | 91                                                       |
| 316                   | 98                   | 42                   | 87                                                       | 114                                                     | 85                                                       | 42                                                      | 83                                                         | 112                                                        | 90                                                          | 116                                                        | 118                                                     | 89                                                       |
| 317                   | 99                   | 3                    | 86                                                       | 111                                                     | 83                                                       | 42                                                      | 82                                                         | 112                                                        | 89                                                          | 115                                                        | 115                                                     | 88                                                       |
| 318                   | 99                   | 24                   | 84                                                       | 110                                                     | 82                                                       | 43                                                      | 82                                                         | 110                                                        | 88                                                          | 113                                                        | 113                                                     | 86                                                       |
| 319                   | 99                   | 45                   | 87                                                       | 109                                                     | 82                                                       | 44                                                      | 82                                                         | 109                                                        | 87                                                          | 113                                                        | 113                                                     | 86                                                       |
| 320                   | 100                  | 6                    | 87                                                       | 108                                                     | 81                                                       | 44                                                      | 81                                                         | 109                                                        | 87                                                          | 110                                                        | 111                                                     | 85                                                       |
| 321                   | 100                  | 27                   | 82                                                       | 107                                                     | 81                                                       | 45                                                      | 81                                                         | 108                                                        | 88                                                          | 110                                                        | 110                                                     | 85                                                       |
| 322                   | 100                  | 48                   | 82                                                       | 107                                                     | 81                                                       | 45                                                      | 81                                                         | 107                                                        | 86                                                          | 110                                                        | 109                                                     | 84                                                       |
| 323                   | 101                  | 9                    | 81                                                       | 105                                                     | 81                                                       | 46                                                      | 79                                                         | 106                                                        | 85                                                          | 110                                                        | 109                                                     | 83                                                       |
| 324                   | 101                  | 30                   | 81                                                       | 105                                                     | 80                                                       | 46                                                      | 80                                                         | 106                                                        | 86                                                          | 109                                                        | 108                                                     | 83                                                       |
| 325                   | 101                  | 51                   | 80                                                       | 105                                                     | 81                                                       | 46                                                      | 80                                                         | 106                                                        | 86                                                          | 109                                                        | 108                                                     | 82                                                       |
| 326                   | 102                  | 12                   | 79                                                       | 105                                                     | 81                                                       | 45                                                      | 78                                                         | 105                                                        | 85                                                          | 109                                                        | 110                                                     | 84                                                       |
| 327                   | 102                  | 33                   | 79                                                       | 106                                                     | 81                                                       | 44                                                      | 78                                                         | 106                                                        | 85                                                          | 110                                                        | 112                                                     | 84                                                       |
| 328                   | 102                  | 54                   | 81                                                       | 106                                                     | 81                                                       | 44                                                      | 79                                                         | 107                                                        | 85                                                          | 110                                                        | 112                                                     | 85                                                       |
| 329                   | 103                  | 15                   | 82                                                       | 112                                                     | 85                                                       | 42                                                      | 80                                                         | 108                                                        | 86                                                          | 112                                                        | 114                                                     | 86                                                       |
| 330                   | 103                  | 39                   | 82                                                       | 112                                                     | 85                                                       | 42                                                      | 80                                                         | 108                                                        | 86                                                          | 113                                                        | 116                                                     | 86                                                       |
| 331                   | 103                  | 54                   | 84                                                       | 113                                                     | 86                                                       | 42                                                      | 81                                                         | 110                                                        | 87                                                          | 113                                                        | 117                                                     | 89                                                       |
| 332                   | 104                  | 13                   | 85                                                       | 114                                                     | 87                                                       | 42                                                      | 81                                                         | 110                                                        | 88                                                          | 114                                                        | 118                                                     | 89                                                       |
| 333                   | 104                  | 43                   | 85                                                       | 115                                                     | 87                                                       | 42                                                      | 81                                                         | 112                                                        | 88                                                          | 115                                                        | 119                                                     | 90                                                       |
| 334                   | 105                  | 1                    | 85                                                       | 115                                                     | 88                                                       | 42                                                      | 81                                                         | 112                                                        | 89                                                          | 115                                                        | 120                                                     | 90                                                       |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/2LEV<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 335                   | 105                  | 22                   | 67                                              | 116                                                     | 88                                                       | 43                                                      | 82                                                          | 112                                                        | 69                                                          | 115                                                        | 126                                                     | 82                                                       |
| 336                   | 105                  | 43                   | 67                                              | 117                                                     | 89                                                       | 42                                                      | 83                                                          | 113                                                        | 69                                                          | 116                                                        | 120                                                     | 91                                                       |
| 337                   | 106                  | 5                    | 67                                              | 116                                                     | 88                                                       | 43                                                      | 82                                                          | 113                                                        | 88                                                          | 115                                                        | 120                                                     | 91                                                       |
| 338                   | 106                  | 26                   | 88                                              | 116                                                     | 89                                                       | 43                                                      | 83                                                          | 114                                                        | 90                                                          | 116                                                        | 122                                                     | 91                                                       |
| 339                   | 106                  | 47                   | 89                                              | 117                                                     | 89                                                       | 42                                                      | 84                                                          | 113                                                        | 89                                                          | 116                                                        | 121                                                     | 90                                                       |
| 340                   | 107                  | 6                    | 88                                              | 118                                                     | 89                                                       | 43                                                      | 83                                                          | 113                                                        | 89                                                          | 116                                                        | 120                                                     | 90                                                       |
| 341                   | 107                  | 29                   | 88                                              | 116                                                     | 86                                                       | 42                                                      | 82                                                          | 112                                                        | 88                                                          | 115                                                        | 119                                                     | 89                                                       |
| 342                   | 107                  | 50                   | 87                                              | 117                                                     | 87                                                       | 42                                                      | 82                                                          | 113                                                        | 89                                                          | 115                                                        | 120                                                     | 91                                                       |
| 343                   | 108                  | 12                   | 67                                              | 117                                                     | 88                                                       | 42                                                      | 83                                                          | 112                                                        | 90                                                          | 115                                                        | 120                                                     | 91                                                       |
| 344                   | 108                  | 32                   | 88                                              | 117                                                     | 89                                                       | 42                                                      | 83                                                          | 113                                                        | 89                                                          | 116                                                        | 122                                                     | 92                                                       |
| 345                   | 108                  | 54                   | 88                                              | 118                                                     | 89                                                       | 42                                                      | 83                                                          | 113                                                        | 89                                                          | 116                                                        | 122                                                     | 92                                                       |
| 346                   | 109                  | 15                   | 88                                              | 119                                                     | 88                                                       | 43                                                      | 84                                                          | 114                                                        | 89                                                          | 116                                                        | 121                                                     | 92                                                       |
| 347                   | 109                  | 36                   | 88                                              | 118                                                     | 89                                                       | 43                                                      | 83                                                          | 113                                                        | 89                                                          | 116                                                        | 121                                                     | 92                                                       |
| 348                   | 109                  | 58                   | 88                                              | 118                                                     | 90                                                       | 42                                                      | 83                                                          | 113                                                        | 89                                                          | 116                                                        | 122                                                     | 91                                                       |
| 349                   | 110                  | 19                   | 88                                              | 117                                                     | 88                                                       | 42                                                      | 82                                                          | 113                                                        | 89                                                          | 115                                                        | 120                                                     | 89                                                       |
| 350                   | 110                  | 49                   | 88                                              | 117                                                     | 88                                                       | 42                                                      | 82                                                          | 113                                                        | 89                                                          | 115                                                        | 121                                                     | 91                                                       |
| 351                   | 111                  | 1                    | 89                                              | 117                                                     | 89                                                       | 43                                                      | 84                                                          | 114                                                        | 89                                                          | 116                                                        | 120                                                     | 91                                                       |
| 352                   | 111                  | 22                   | 85                                              | 112                                                     | 87                                                       | 39                                                      | 78                                                          | 108                                                        | 85                                                          | 113                                                        | 119                                                     | 91                                                       |
| 353                   | 111                  | 43                   | 86                                              | 112                                                     | 87                                                       | 43                                                      | 78                                                          | 108                                                        | 85                                                          | 113                                                        | 119                                                     | 91                                                       |
| 354                   | 112                  | 4                    | 86                                              | 113                                                     | 88                                                       | 43                                                      | 83                                                          | 113                                                        | 89                                                          | 116                                                        | 119                                                     | 89                                                       |
| 355                   | 112                  | 25                   | 85                                              | 113                                                     | 88                                                       | 44                                                      | 82                                                          | 112                                                        | 91                                                          | 114                                                        | 119                                                     | 90                                                       |
| 356                   | 112                  | 46                   | 85                                              | 113                                                     | 89                                                       | 44                                                      | 82                                                          | 112                                                        | 89                                                          | 114                                                        | 114                                                     | 88                                                       |
| 357                   | 113                  | 7                    | 85                                              | 109                                                     | 82                                                       | 44                                                      | 81                                                          | 109                                                        | 88                                                          | 112                                                        | 113                                                     | 85                                                       |
| 358                   | 113                  | 28                   | 82                                              | 108                                                     | 82                                                       | 44                                                      | 81                                                          | 109                                                        | 87                                                          | 112                                                        | 112                                                     | 85                                                       |
| 359                   | 113                  | 49                   | 81                                              | 108                                                     | 81                                                       | 45                                                      | 80                                                          | 109                                                        | 87                                                          | 112                                                        | 110                                                     | 83                                                       |
| 360                   | 114                  | 10                   | 81                                              | 106                                                     | 82                                                       | 44                                                      | 81                                                          | 108                                                        | 87                                                          | 113                                                        | 108                                                     | 83                                                       |
| 361                   | 114                  | 31                   | 81                                              | 106                                                     | 81                                                       | 44                                                      | 81                                                          | 108                                                        | 86                                                          | 112                                                        | 109                                                     | 83                                                       |
| 362                   | 114                  | 52                   | 81                                              | 106                                                     | 82                                                       | 44                                                      | 80                                                          | 107                                                        | 87                                                          | 111                                                        | 108                                                     | 83                                                       |
| 363                   | 115                  | 13                   | 81                                              | 105                                                     | 83                                                       | 44                                                      | 80                                                          | 106                                                        | 86                                                          | 110                                                        | 108                                                     | 82                                                       |
| 364                   | 115                  | 35                   | 80                                              | 104                                                     | 84                                                       | 44                                                      | 83                                                          | 104                                                        | 87                                                          | 107                                                        | 108                                                     | 86                                                       |
| 365                   | 115                  | 56                   | 81                                              | 102                                                     | 82                                                       | 44                                                      | 85                                                          | 102                                                        | 86                                                          | 107                                                        | 105                                                     | 86                                                       |
| 366                   | 116                  | 18                   | 82                                              | 100                                                     | 85                                                       | 45                                                      | 85                                                          | 101                                                        | 87                                                          | 103                                                        | 105                                                     | 91                                                       |
| 367                   | 116                  | 39                   | 82                                              | 99                                                      | 86                                                       | 45                                                      | 85                                                          | 101                                                        | 86                                                          | 103                                                        | 103                                                     | 95                                                       |
| 368                   | 119                  | 14                   | 82                                              | 91                                                      | 96                                                       | 45                                                      | 83                                                          | 96                                                         | 86                                                          | 99                                                         | 103                                                     | 97                                                       |
| 369                   | 119                  | 48                   | 81                                              | 90                                                      | 91                                                       | 45                                                      | 83                                                          | 96                                                         | 84                                                          | 97                                                         | 99                                                      | 92                                                       |
| 370                   | 120                  | 10                   | 82                                              | 89                                                      | 90                                                       | 45                                                      | 82                                                          | 96                                                         | 84                                                          | 97                                                         | 93                                                      | 91                                                       |
| 371                   | 120                  | 31                   | 81                                              | 88                                                      | 89                                                       | 45                                                      | 83                                                          | 95                                                         | 84                                                          | 96                                                         | 92                                                      | 89                                                       |
| 372                   | 121                  | 53                   | 81                                              | 88                                                      | 89                                                       | 46                                                      | 83                                                          | 95                                                         | 84                                                          | 96                                                         | 92                                                      | 90                                                       |
| 373                   | 121                  | 15                   | 81                                              | 87                                                      | 89                                                       | 46                                                      | 82                                                          | 94                                                         | 83                                                          | 95                                                         | 91                                                      | 88                                                       |
| 374                   | 121                  | 36                   | 81                                              | 86                                                      | 89                                                       | 45                                                      | 82                                                          | 95                                                         | 84                                                          | 95                                                         | 90                                                      | 88                                                       |
| 375                   | 123                  | 17                   | 82                                              | 82                                                      | 84                                                       | 45                                                      | 82                                                          | 93                                                         | 83                                                          | 91                                                         | 86                                                      | 86                                                       |
| 376                   | 123                  | 39                   | 81                                              | 81                                                      | 87                                                       | 45                                                      | 82                                                          | 93                                                         | 83                                                          | 91                                                         | 86                                                      | 86                                                       |
| 377                   | 124                  | 1                    | 81                                              | 80                                                      | 87                                                       | 45                                                      | 82                                                          | 92                                                         | 82                                                          | 90                                                         | 85                                                      | 85                                                       |
| 378                   | 124                  | 22                   | 81                                              | 79                                                      | 87                                                       | 45                                                      | 81                                                          | 92                                                         | 82                                                          | 90                                                         | 85                                                      | 87                                                       |
| 379                   | 124                  | 44                   | 81                                              | 79                                                      | 87                                                       | 45                                                      | 81                                                          | 91                                                         | 82                                                          | 90                                                         | 84                                                      | 87                                                       |
| 380                   | 125                  | 23                   | 81                                              | 78                                                      | 87                                                       | 45                                                      | 81                                                          | 91                                                         | 82                                                          | 90                                                         | 84                                                      | 87                                                       |
| 381                   | 125                  | 47                   | 79                                              | 68                                                      | 83                                                       | 46                                                      | 74                                                          | 83                                                         | 75                                                          | 80                                                         | 72                                                      | 83                                                       |
| 382                   | 126                  | 9                    | 79                                              | 67                                                      | 84                                                       | 46                                                      | 74                                                          | 82                                                         | 74                                                          | 80                                                         | 72                                                      | 83                                                       |
| 383                   | 126                  | 30                   | 79                                              | 67                                                      | 83                                                       | 45                                                      | 74                                                          | 83                                                         | 73                                                          | 80                                                         | 71                                                      | 83                                                       |
| 384                   | 126                  | 52                   | 79                                              | 66                                                      | 83                                                       | 46                                                      | 73                                                          | 82                                                         | 73                                                          | 80                                                         | 70                                                      | 82                                                       |

|                        |                      |                      |                                                          |                                                         |                                                          |                                                         |                                                             |                                                            |                                                             |                                                            |                                                         |                                                          |
|------------------------|----------------------|----------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 5-01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/3 LEV<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
| 385                    | 131                  | 13                   | 78                                                       | 66                                                      | 83                                                       | 46                                                      | 73                                                          | 62                                                         | 73                                                          | 79                                                         | 69                                                      | 82                                                       |
| 386                    | 135                  | 54                   | 77                                                       | 62                                                      | 82                                                       | 46                                                      | 68                                                          | 75                                                         | 67                                                          | 74                                                         | 62                                                      | 75                                                       |
| 387                    | 140                  | 16                   | 77                                                       | 62                                                      | 79                                                       | 46                                                      | 69                                                          | 75                                                         | 68                                                          | 74                                                         | 62                                                      | 74                                                       |
| 388                    | 140                  | 37                   | 77                                                       | 61                                                      | 79                                                       | 45                                                      | 70                                                          | 75                                                         | 66                                                          | 73                                                         | 61                                                      | 74                                                       |
| 389                    | 140                  | 59                   | 77                                                       | 61                                                      | 79                                                       | 45                                                      | 69                                                          | 75                                                         | 66                                                          | 73                                                         | 61                                                      | 73                                                       |
| 390                    | 141                  | 21                   | 77                                                       | 61                                                      | 79                                                       | 46                                                      | 69                                                          | 74                                                         | 66                                                          | 73                                                         | 61                                                      | 73                                                       |
| 391                    | 141                  | 50                   | 76                                                       | 59                                                      | 76                                                       | 46                                                      | 66                                                          | 70                                                         | 62                                                          | 71                                                         | 61                                                      | 71                                                       |
| 392                    | 148                  | 20                   | 76                                                       | 59                                                      | 76                                                       | 46                                                      | 66                                                          | 70                                                         | 61                                                          | 70                                                         | 60                                                      | 72                                                       |
| 393                    | 149                  | 42                   | 76                                                       | 58                                                      | 76                                                       | 46                                                      | 66                                                          | 70                                                         | 61                                                          | 70                                                         | 60                                                      | 71                                                       |
| 394                    | 149                  | 3                    | 76                                                       | 59                                                      | 76                                                       | 47                                                      | 66                                                          | 71                                                         | 61                                                          | 70                                                         | 60                                                      | 71                                                       |
| 395                    | 150                  | 25                   | 76                                                       | 58                                                      | 75                                                       | 46                                                      | 66                                                          | 70                                                         | 62                                                          | 70                                                         | 60                                                      | 71                                                       |
| 396                    | 150                  | 67                   | 75                                                       | 59                                                      | 75                                                       | 46                                                      | 66                                                          | 70                                                         | 61                                                          | 69                                                         | 59                                                      | 71                                                       |

MH-33C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>G.80X<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G.80X<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN.1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>FOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>ATM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTMLFY<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| 30                    | 1                    | 11                   | 46                                                       | 48                                                        | 43                                                    | 43                                                  | 43                                     | 45                                                        | 43                                                        | 44                                                        | 47                                                      | 48                                                        |
| 40                    | 1                    | 54                   | 45                                                       | 48                                                        | 43                                                    | 43                                                  | 42                                     | 45                                                        | 43                                                        | 44                                                        | 47                                                      | 48                                                        |
| 41                    | 2                    | 16                   | 45                                                       | 49                                                        | 43                                                    | 43                                                  | 43                                     | 45                                                        | 43                                                        | 44                                                        | 47                                                      | 48                                                        |
| 42                    | 2                    | 37                   | 46                                                       | 48                                                        | 43                                                    | 43                                                  | 43                                     | 45                                                        | 43                                                        | 43                                                        | 48                                                      | 48                                                        |
| 43                    | 2                    | 59                   | 46                                                       | 48                                                        | 43                                                    | 43                                                  | 42                                     | 45                                                        | 43                                                        | 43                                                        | 48                                                      | 48                                                        |
| 44                    | 3                    | 20                   | 46                                                       | 48                                                        | 42                                                    | 42                                                  | 42                                     | 46                                                        | 44                                                        | 44                                                        | 48                                                      | 48                                                        |
| 45                    | 3                    | 42                   | 45                                                       | 46                                                        | 43                                                    | 43                                                  | 43                                     | 45                                                        | 43                                                        | 44                                                        | 48                                                      | 48                                                        |
| 46                    | 3                    | 3                    | 45                                                       | 46                                                        | 43                                                    | 43                                                  | 42                                     | 45                                                        | 43                                                        | 44                                                        | 48                                                      | 48                                                        |
| 47                    | 4                    | 25                   | 45                                                       | 48                                                        | 48                                                    | 48                                                  | 42                                     | 46                                                        | 43                                                        | 44                                                        | 48                                                      | 48                                                        |
| 48                    | 4                    | 46                   | 45                                                       | 48                                                        | 48                                                    | 48                                                  | 43                                     | 45                                                        | 43                                                        | 44                                                        | 48                                                      | 48                                                        |
| 49                    | 4                    | 7                    | 45                                                       | 48                                                        | 40                                                    | 40                                                  | 43                                     | 45                                                        | 43                                                        | 44                                                        | 48                                                      | 48                                                        |
| 50                    | 5                    | 29                   | 46                                                       | 48                                                        | 39                                                    | 39                                                  | 44                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 51                    | 5                    | 50                   | 46                                                       | 48                                                        | 40                                                    | 40                                                  | 44                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 52                    | 5                    | 12                   | 45                                                       | 48                                                        | 39                                                    | 39                                                  | 44                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 53                    | 6                    | 33                   | 45                                                       | 48                                                        | 40                                                    | 40                                                  | 45                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 54                    | 6                    | 55                   | 45                                                       | 48                                                        | 40                                                    | 40                                                  | 45                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 55                    | 6                    | 7                    | 47                                                       | 48                                                        | 40                                                    | 40                                                  | 45                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 56                    | 7                    | 16                   | 47                                                       | 48                                                        | 41                                                    | 41                                                  | 47                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 57                    | 7                    | 37                   | 47                                                       | 49                                                        | 41                                                    | 41                                                  | 48                                     | 45                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 58                    | 7                    | 4                    | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 59                    | 8                    | 19                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 60                    | 8                    | 40                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 61                    | 9                    | 2                    | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 62                    | 9                    | 23                   | 46                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 63                    | 9                    | 44                   | 46                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 64                    | 10                   | 5                    | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 65                    | 10                   | 26                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 66                    | 10                   | 47                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 67                    | 11                   | 8                    | 46                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 68                    | 11                   | 29                   | 46                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 69                    | 11                   | 51                   | 46                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 70                    | 12                   | 12                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 71                    | 12                   | 33                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 72                    | 12                   | 54                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 73                    | 13                   | 15                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 74                    | 13                   | 37                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 75                    | 13                   | 58                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 76                    | 14                   | 19                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 77                    | 14                   | 40                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 78                    | 15                   | 1                    | 48                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 79                    | 15                   | 22                   | 48                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 80                    | 15                   | 47                   | 48                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 81                    | 16                   | 5                    | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 82                    | 16                   | 26                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 83                    | 16                   | 47                   | 47                                                       | 49                                                        | 42                                                    | 42                                                  | 48                                     | 46                                                        | 44                                                        | 43                                                        | 48                                                      | 48                                                        |
| 84                    | 16                   | 4                    | 41                                                       | 40                                                        | 41                                                    | 41                                                  | 61                                     | 46                                                        | 45                                                        | 45                                                        | 52                                                      | 51                                                        |
| 85                    | 16                   | 47                   | 40                                                       | 40                                                        | 41                                                    | 41                                                  | 61                                     | 46                                                        | 45                                                        | 45                                                        | 52                                                      | 51                                                        |

| -01<br>SWEET<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>G. BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G. BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>SEN.1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>BTM AT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTMLET<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| 84                    | 17                   | 6                    | *                                                         | *                                                          | *                                                     | *                                                   | 61                                     | 46                                                        | 46                                                        | 45                                                        | 53                                                      | 51                                                        |
| 85                    | 17                   | 29                   | 40                                                        | 41                                                         | 42                                                    | 49                                                  | 61                                     | 46                                                        | 46                                                        | 46                                                        | 53                                                      | 50                                                        |
| 86                    | 17                   | 50                   | 41                                                        | 41                                                         | 42                                                    | 48                                                  | 61                                     | 46                                                        | 46                                                        | 45                                                        | 53                                                      | 51                                                        |
| 87                    | 18                   | 11                   | 41                                                        | 42                                                         | 42                                                    | 49                                                  | 61                                     | 46                                                        | 46                                                        | 46                                                        | 54                                                      | 51                                                        |
| 88                    | 18                   | 32                   | 41                                                        | 42                                                         | 42                                                    | 49                                                  | 62                                     | 46                                                        | 46                                                        | 45                                                        | 54                                                      | 52                                                        |
| 89                    | 18                   | 53                   | 41                                                        | 42                                                         | 41                                                    | 49                                                  | 63                                     | 46                                                        | 46                                                        | 45                                                        | 53                                                      | 50                                                        |
| 90                    | 19                   | 15                   | 41                                                        | 43                                                         | 40                                                    | 52                                                  | 63                                     | *                                                         | *                                                         | *                                                         | 52                                                      | 49                                                        |
| 91                    | 19                   | 36                   | 44                                                        | 45                                                         | 42                                                    | 51                                                  | 64                                     | 45                                                        | 45                                                        | 45                                                        | 51                                                      | 49                                                        |
| 92                    | 19                   | 57                   | 46                                                        | 46                                                         | 42                                                    | 55                                                  | 64                                     | 46                                                        | 46                                                        | 46                                                        | 51                                                      | 49                                                        |
| 93                    | 20                   | 18                   | 47                                                        | 47                                                         | 41                                                    | 55                                                  | 65                                     | 46                                                        | 46                                                        | 45                                                        | *                                                       | 49                                                        |
| 94                    | 20                   | 39                   | 49                                                        | 49                                                         | 42                                                    | 55                                                  | 65                                     | 45                                                        | 45                                                        | 45                                                        | 50                                                      | 49                                                        |
| 95                    | 21                   | 0                    | 50                                                        | 51                                                         | 43                                                    | 53                                                  | 67                                     | 45                                                        | 45                                                        | 45                                                        | 50                                                      | 49                                                        |
| 96                    | 21                   | 21                   | 51                                                        | 51                                                         | 42                                                    | 55                                                  | 66                                     | 45                                                        | 45                                                        | 45                                                        | 50                                                      | *                                                         |
| 97                    | 21                   | 42                   | 52                                                        | 52                                                         | 44                                                    | 55                                                  | 66                                     | 45                                                        | 45                                                        | 45                                                        | 51                                                      | 48                                                        |
| 98                    | 22                   | 3                    | 54                                                        | 54                                                         | 45                                                    | 55                                                  | 67                                     | 45                                                        | 46                                                        | 45                                                        | 51                                                      | 50                                                        |
| 99                    | 22                   | 45                   | 55                                                        | 54                                                         | 46                                                    | 57                                                  | 68                                     | 44                                                        | 46                                                        | 45                                                        | 51                                                      | 48                                                        |
| 100                   | 22                   | 5                    | 58                                                        | 54                                                         | 47                                                    | 57                                                  | 68                                     | 45                                                        | 46                                                        | 46                                                        | 49                                                      | 49                                                        |
| 101                   | 23                   | 27                   | 59                                                        | 54                                                         | 49                                                    | 59                                                  | 67                                     | 44                                                        | 46                                                        | 45                                                        | 49                                                      | 49                                                        |
| 102                   | 23                   | 48                   | 59                                                        | 55                                                         | 49                                                    | 59                                                  | 68                                     | 44                                                        | 46                                                        | 45                                                        | 48                                                      | 49                                                        |
| 103                   | 23                   | 9                    | 60                                                        | 55                                                         | 49                                                    | 60                                                  | 68                                     | 44                                                        | 46                                                        | 45                                                        | 48                                                      | 49                                                        |
| 104                   | 24                   | 30                   | 61                                                        | 55                                                         | 53                                                    | 60                                                  | 69                                     | 44                                                        | 45                                                        | 45                                                        | 50                                                      | 49                                                        |
| 105                   | 24                   | 51                   | 61                                                        | 55                                                         | 51                                                    | 62                                                  | 69                                     | 44                                                        | 45                                                        | 45                                                        | 49                                                      | 48                                                        |
| 106                   | 24                   | 51                   | 61                                                        | 55                                                         | 51                                                    | 62                                                  | 69                                     | 44                                                        | 45                                                        | 45                                                        | 49                                                      | 48                                                        |
| 107                   | 25                   | 12                   | 63                                                        | 56                                                         | 51                                                    | 62                                                  | 69                                     | 44                                                        | 45                                                        | 45                                                        | 49                                                      | 48                                                        |
| 108                   | 25                   | 33                   | 64                                                        | 58                                                         | 51                                                    | 63                                                  | 70                                     | 44                                                        | 44                                                        | 44                                                        | 49                                                      | 49                                                        |
| 109                   | 25                   | 54                   | 64                                                        | 62                                                         | 51                                                    | 62                                                  | 70                                     | 44                                                        | 44                                                        | 44                                                        | 50                                                      | 48                                                        |
| 110                   | 26                   | 15                   | 66                                                        | 62                                                         | 51                                                    | 62                                                  | 71                                     | 44                                                        | 44                                                        | 44                                                        | 51                                                      | 50                                                        |
| 111                   | 26                   | 36                   | 66                                                        | 61                                                         | 52                                                    | 64                                                  | 71                                     | 45                                                        | 44                                                        | 45                                                        | 51                                                      | 49                                                        |
| 112                   | 26                   | 57                   | 66                                                        | 62                                                         | 52                                                    | 62                                                  | 71                                     | 44                                                        | 44                                                        | 44                                                        | 51                                                      | 49                                                        |
| 113                   | 27                   | 18                   | 69                                                        | 65                                                         | 52                                                    | 62                                                  | 72                                     | 44                                                        | 44                                                        | 44                                                        | 51                                                      | 50                                                        |
| 114                   | 27                   | 39                   | 69                                                        | 63                                                         | 52                                                    | 65                                                  | 73                                     | 45                                                        | 44                                                        | 45                                                        | 52                                                      | 50                                                        |
| 115                   | 28                   | 0                    | 70                                                        | 64                                                         | 54                                                    | 67                                                  | 73                                     | 45                                                        | 44                                                        | 44                                                        | 52                                                      | 51                                                        |
| 116                   | 28                   | 21                   | 70                                                        | 63                                                         | 54                                                    | 66                                                  | 73                                     | 45                                                        | 45                                                        | 44                                                        | 51                                                      | 50                                                        |
| 117                   | 28                   | 42                   | 71                                                        | 65                                                         | 55                                                    | 64                                                  | *                                      | *                                                         | *                                                         | 44                                                        | 52                                                      | 50                                                        |
| 118                   | 29                   | 3                    | 73                                                        | 66                                                         | 56                                                    | 65                                                  | 73                                     | 45                                                        | 44                                                        | 45                                                        | 52                                                      | 49                                                        |
| 119                   | 29                   | 24                   | 74                                                        | 69                                                         | 55                                                    | 67                                                  | 73                                     | 44                                                        | 44                                                        | 45                                                        | 52                                                      | 48                                                        |
| 120                   | 29                   | 45                   | 77                                                        | 68                                                         | 55                                                    | 70                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                        | 51                                                      | 49                                                        |
| 121                   | 30                   | 6                    | 78                                                        | 67                                                         | 53                                                    | 71                                                  | 72                                     | 44                                                        | 44                                                        | 45                                                        | 50                                                      | 48                                                        |
| 122                   | 30                   | 28                   | 79                                                        | 74                                                         | 56                                                    | 72                                                  | 72                                     | 45                                                        | 44                                                        | 44                                                        | 51                                                      | 48                                                        |
| 123                   | *                    | *                    | 81                                                        | 73                                                         | 56                                                    | 72                                                  | 72                                     | 44                                                        | 44                                                        | 44                                                        | 50                                                      | 47                                                        |
| 124                   | 31                   | 10                   | 82                                                        | 76                                                         | 56                                                    | 73                                                  | 72                                     | 44                                                        | 44                                                        | 44                                                        | 50                                                      | 46                                                        |
| 125                   | 31                   | 31                   | 84                                                        | 75                                                         | 55                                                    | 72                                                  | 73                                     | 45                                                        | 44                                                        | 44                                                        | 51                                                      | 47                                                        |
| 126                   | 31                   | 52                   | 85                                                        | 76                                                         | 57                                                    | 72                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                        | 49                                                      | 46                                                        |
| 127                   | 32                   | 13                   | 86                                                        | 79                                                         | 57                                                    | 75                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                        | 49                                                      | 46                                                        |
| 128                   | 32                   | 34                   | 88                                                        | 79                                                         | 57                                                    | 76                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                        | 50                                                      | 46                                                        |
| 129                   | 32                   | 56                   | 89                                                        | 78                                                         | 57                                                    | 75                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                        | 49                                                      | 47                                                        |
| 130                   | 33                   | 17                   | 90                                                        | 78                                                         | 54                                                    | 77                                                  | 73                                     | *                                                         | *                                                         | 44                                                        | 49                                                      | 45                                                        |
| 131                   | 33                   | 38                   | 91                                                        | 81                                                         | 58                                                    | 76                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                        | 49                                                      | 46                                                        |
| 132                   | 33                   | 59                   | 91                                                        | 81                                                         | 59                                                    | 79                                                  | 72                                     | 43                                                        | 44                                                        | 44                                                        | 48                                                      | 46                                                        |
| 133                   | 33                   | 20                   | 93                                                        | 85                                                         | 58                                                    | 79                                                  | 73                                     | 43                                                        | 43                                                        | 44                                                        | 48                                                      | 47                                                        |
| 134                   | 34                   | 41                   | 95                                                        | 95                                                         | 58                                                    | 79                                                  | 73                                     | 44                                                        | 43                                                        | 44                                                        | 48                                                      | 48                                                        |



| -01<br>SNEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>S.BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>S.BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>SEN.1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>RTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>RTM LFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| 135                   | 35                   | 3                    | 96                                                       | 84                                                        | 59                                                    | 82                                                  | 73                                     | 44                                                        | 43                                                        | 43                                                         | 48                                                      | 48                                                        |
| 136                   | 35                   | 24                   | 97                                                       | 86                                                        | 60                                                    | 79                                                  | 74                                     | 44                                                        | 43                                                        | 43                                                         | 48                                                      | 47                                                        |
| 137                   | 35                   | 45                   | 98                                                       | 85                                                        | 59                                                    | 80                                                  | 74                                     | 44                                                        | 43                                                        | 44                                                         | 48                                                      | 47                                                        |
| 138                   | 36                   | 6                    | 99                                                       | 86                                                        | 61                                                    | 82                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 47                                                        |
| 139                   | 36                   | 27                   | 100                                                      | 89                                                        | 60                                                    | 82                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 48                                                      | 47                                                        |
| 140                   | 36                   | 48                   | 101                                                      | 82                                                        | 61                                                    | 85                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 48                                                        |
| 141                   | 37                   | 10                   | 102                                                      | 85                                                        | 61                                                    | 85                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 47                                                        |
| 142                   | 37                   | 31                   | 103                                                      | 86                                                        | 61                                                    | 82                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 46                                                        |
| 143                   | 37                   | 52                   | 104                                                      | 82                                                        | 60                                                    | 85                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 47                                                        |
| 144                   | 38                   | 13                   | 105                                                      | 85                                                        | 60                                                    | 86                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 46                                                        |
| 145                   | 38                   | 34                   | 104                                                      | 82                                                        | 61                                                    | 86                                                  | 74                                     | 44                                                        | 44                                                        | 44                                                         | 48                                                      | 46                                                        |
| 146                   | 38                   | 55                   | 105                                                      | 86                                                        | 61                                                    | 88                                                  | 74                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 46                                                        |
| 147                   | 39                   | 16                   | 105                                                      | 85                                                        | 61                                                    | 86                                                  | 74                                     | 44                                                        | 43                                                        | 44                                                         | 48                                                      | 47                                                        |
| 148                   | 39                   | 37                   | 106                                                      | 85                                                        | 62                                                    | 86                                                  | 75                                     | 45                                                        | 43                                                        | 44                                                         | 48                                                      | 46                                                        |
| 149                   | 38                   | 19                   | 106                                                      | 85                                                        | 63                                                    | 86                                                  | 73                                     | 44                                                        | 43                                                        | 44                                                         | 49                                                      | 47                                                        |
| 150                   | 40                   | 20                   | 106                                                      | 81                                                        | 63                                                    | 89                                                  | 74                                     | 44                                                        | 43                                                        | 43                                                         | 48                                                      | 47                                                        |
| 151                   | 40                   | 41                   | 108                                                      | 83                                                        | 62                                                    | 89                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 46                                                        |
| 152                   | 41                   | 2                    | 107                                                      | 81                                                        | 61                                                    | 92                                                  | 73                                     | 44                                                        | 43                                                        | 44                                                         | 49                                                      | 47                                                        |
| 153                   | 41                   | 23                   | 107                                                      | 86                                                        | 62                                                    | 90                                                  | 73                                     | 45                                                        | 44                                                        | 44                                                         | 49                                                      | 46                                                        |
| 154                   | 41                   | 44                   | 107                                                      | 86                                                        | 60                                                    | 91                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 46                                                        |
| 155                   | 42                   | 5                    | 108                                                      | 81                                                        | 61                                                    | 93                                                  | 73                                     | 45                                                        | 44                                                        | 44                                                         | 49                                                      | 46                                                        |
| 156                   | 42                   | 26                   | 108                                                      | 85                                                        | 60                                                    | 92                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                         | 48                                                      | 47                                                        |
| 157                   | 42                   | 47                   | 108                                                      | 84                                                        | 63                                                    | 92                                                  | 72                                     | 44                                                        | 43                                                        | 44                                                         | 48                                                      | 46                                                        |
| 158                   | 43                   | 8                    | 110                                                      | 88                                                        | 60                                                    | 92                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                         | 48                                                      | 46                                                        |
| 159                   | 43                   | 30                   | 110                                                      | 87                                                        | 61                                                    | 92                                                  | 72                                     | 44                                                        | 43                                                        | 44                                                         | 48                                                      | 48                                                        |
| 160                   | 43                   | 51                   | 111                                                      | 85                                                        | 61                                                    | 92                                                  | 74                                     | 44                                                        | 44                                                        | 44                                                         | 48                                                      | 47                                                        |
| 161                   | 44                   | 12                   | 111                                                      | 92                                                        | 60                                                    | 92                                                  | 74                                     | 44                                                        | 44                                                        | 44                                                         | 48                                                      | 47                                                        |
| 162                   | 44                   | 33                   | 110                                                      | 87                                                        | 62                                                    | 94                                                  | 74                                     | 44                                                        | 44                                                        | 44                                                         | 48                                                      | 48                                                        |
| 163                   | 44                   | 54                   | 110                                                      | 89                                                        | 59                                                    | 95                                                  | 75                                     | 44                                                        | 43                                                        | 44                                                         | 49                                                      | 48                                                        |
| 164                   | 45                   | 13                   | 111                                                      | 90                                                        | 63                                                    | 94                                                  | 75                                     | 45                                                        | 43                                                        | 44                                                         | 49                                                      | 49                                                        |
| 165                   | 45                   | 36                   | 111                                                      | 89                                                        | 59                                                    | 96                                                  | 75                                     | 44                                                        | 44                                                        | 44                                                         | 50                                                      | 48                                                        |
| 166                   | 45                   | 57                   | 111                                                      | 88                                                        | 59                                                    | 94                                                  | 75                                     | 44                                                        | 43                                                        | 43                                                         | 48                                                      | 47                                                        |
| 167                   | 46                   | 19                   | 112                                                      | 84                                                        | 59                                                    | 95                                                  | 74                                     | 44                                                        | 43                                                        | 44                                                         | 49                                                      | 45                                                        |
| 168                   | 46                   | 40                   | 112                                                      | 83                                                        | 58                                                    | 95                                                  | 74                                     | 44                                                        | 43                                                        | 44                                                         | 49                                                      | 44                                                        |
| 169                   | 47                   | 1                    | 112                                                      | 83                                                        | 59                                                    | 99                                                  | 74                                     | 44                                                        | 44                                                        | 44                                                         | 49                                                      | 44                                                        |
| 170                   | 47                   | 22                   | 112                                                      | 82                                                        | 58                                                    | 97                                                  | 73                                     | 43                                                        | 42                                                        | 43                                                         | 48                                                      | 43                                                        |
| 171                   | 47                   | 43                   | 112                                                      | 84                                                        | 58                                                    | 98                                                  | 73                                     | 44                                                        | 43                                                        | 44                                                         | 48                                                      | 44                                                        |
| 172                   | 48                   | 4                    | 112                                                      | 83                                                        | 56                                                    | 96                                                  | 72                                     | 43                                                        | 42                                                        | 43                                                         | 48                                                      | 44                                                        |
| 173                   | 48                   | 25                   | 112                                                      | 82                                                        | 57                                                    | 96                                                  | 72                                     | 43                                                        | 42                                                        | 43                                                         | 47                                                      | 44                                                        |
| 174                   | 48                   | 46                   | 112                                                      | 84                                                        | 58                                                    | 97                                                  | 72                                     | 44                                                        | 42                                                        | 43                                                         | 47                                                      | 44                                                        |
| 175                   | 49                   | 7                    | 112                                                      | 84                                                        | 57                                                    | 97                                                  | 72                                     | 43                                                        | 43                                                        | 43                                                         | 48                                                      | 44                                                        |
| 176                   | 49                   | 28                   | 112                                                      | 83                                                        | 57                                                    | 100                                                 | 72                                     | 43                                                        | 43                                                        | 43                                                         | 48                                                      | 43                                                        |
| 177                   | 49                   | 50                   | 112                                                      | 83                                                        | 57                                                    | 98                                                  | 72                                     | 43                                                        | 43                                                        | 43                                                         | 48                                                      | 44                                                        |
| 178                   | 50                   | 11                   | 112                                                      | 84                                                        | 57                                                    | 101                                                 | 71                                     | 44                                                        | 43                                                        | 42                                                         | 48                                                      | 43                                                        |
| 179                   | 50                   | 32                   | 112                                                      | 82                                                        | 57                                                    | 101                                                 | 71                                     | 44                                                        | 43                                                        | 42                                                         | 47                                                      | 44                                                        |
| 180                   | 50                   | 53                   | 112                                                      | 82                                                        | 57                                                    | 101                                                 | 71                                     | 42                                                        | 42                                                        | 42                                                         | 48                                                      | 43                                                        |
| 181                   | 51                   | 14                   | 112                                                      | 83                                                        | 58                                                    | 101                                                 | 71                                     | 43                                                        | 43                                                        | 43                                                         | 47                                                      | 45                                                        |
| 182                   | 51                   | 35                   | 113                                                      | 85                                                        | 59                                                    | 101                                                 | 71                                     | 43                                                        | 42                                                        | 43                                                         | 46                                                      | 45                                                        |
| 183                   | 51                   | 56                   | 112                                                      | 83                                                        | 57                                                    | 102                                                 | 71                                     | 43                                                        | 42                                                        | 43                                                         | 46                                                      | 45                                                        |
| 184                   | 52                   | 17                   | 112                                                      | 82                                                        | 57                                                    | 104                                                 | 70                                     | 43                                                        | 42                                                        | 43                                                         | 47                                                      | 44                                                        |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER-<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>SEN.1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTMLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|
| 185                   | 52                   | 39                   | 112                                             | 82                                               | 58                                                    | 107                                                 | 70                                     | 43                                                        | 42                                                        | 43                                                        | 47                                                 | 45                                                        |
| 186                   | 53                   | 0                    | 112                                             | 61                                               | 57                                                    | 104                                                 | 70                                     | 43                                                        | 42                                                        | 42                                                        | 46                                                 | 45                                                        |
| 187                   | 53                   | 21                   | 112                                             | 82                                               | 58                                                    | 102                                                 | 70                                     | 43                                                        | 42                                                        | 42                                                        | 46                                                 | 45                                                        |
| 188                   | 53                   | 42                   | 112                                             | 82                                               | 58                                                    | 104                                                 | 69                                     | 43                                                        | 42                                                        | 42                                                        | 48                                                 | 46                                                        |
| 189                   | 54                   | 3                    | 112                                             | 82                                               | 57                                                    | 106                                                 | 69                                     | 43                                                        | 42                                                        | 42                                                        | 48                                                 | 46                                                        |
| 190                   | 54                   | 24                   | 112                                             | 82                                               | 57                                                    | 104                                                 | 69                                     | 43                                                        | 42                                                        | 42                                                        | 48                                                 | 45                                                        |
| 191                   | 54                   | 45                   | 111                                             | 83                                               | 58                                                    | 102                                                 | 69                                     | 43                                                        | 41                                                        | 42                                                        | 47                                                 | 46                                                        |
| 192                   | 55                   | 6                    | 111                                             | 81                                               | 56                                                    | 105                                                 | 69                                     | 42                                                        | 42                                                        | 42                                                        | 48                                                 | 45                                                        |
| 193                   | 55                   | 27                   | 111                                             | 81                                               | 56                                                    | 106                                                 | 70                                     | 42                                                        | 42                                                        | 42                                                        | 47                                                 | 45                                                        |
| 194                   | 55                   | 48                   | 112                                             | 81                                               | 56                                                    | 108                                                 | 69                                     | 42                                                        | 42                                                        | 42                                                        | 47                                                 | 45                                                        |
| 195                   | 56                   | 9                    | 111                                             | 81                                               | 55                                                    | 107                                                 | 69                                     | 43                                                        | 42                                                        | 42                                                        | 48                                                 | 45                                                        |
| 196                   | 56                   | 30                   | 111                                             | 81                                               | 55                                                    | 104                                                 | 68                                     | 42                                                        | 42                                                        | 41                                                        | 48                                                 | 45                                                        |
| 197                   | 56                   | 51                   | 110                                             | 81                                               | 56                                                    | 109                                                 | 67                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                 | 44                                                        |
| 198                   | 57                   | 13                   | 110                                             | 80                                               | 57                                                    | 107                                                 | 68                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 45                                                        |
| 199                   | 57                   | 34                   | 109                                             | 82                                               | 58                                                    | 110                                                 | 67                                     | 43                                                        | 41                                                        | 42                                                        | 47                                                 | 45                                                        |
| 200                   | 57                   | 55                   | 109                                             | 81                                               | 59                                                    | 110                                                 | 68                                     | 43                                                        | 41                                                        | 42                                                        | 47                                                 | 46                                                        |
| 201                   | 58                   | 16                   | 109                                             | 83                                               | 58                                                    | 107                                                 | 69                                     | 43                                                        | 41                                                        | 42                                                        | 47                                                 | 46                                                        |
| 202                   | 58                   | 37                   | 107                                             | 81                                               | 58                                                    | 107                                                 | 69                                     | 42                                                        | 42                                                        | 42                                                        | 47                                                 | 46                                                        |
| 203                   | 58                   | 58                   | 107                                             | 82                                               | 59                                                    | 105                                                 | 70                                     | 43                                                        | 42                                                        | 42                                                        | 47                                                 | 45                                                        |
| 204                   | 59                   | 13                   | 106                                             | 81                                               | 60                                                    | 107                                                 | 70                                     | 43                                                        | 42                                                        | 42                                                        | 47                                                 | 45                                                        |
| 205                   | 59                   | 40                   | 105                                             | 82                                               | 60                                                    | 106                                                 | 71                                     | 43                                                        | 42                                                        | 42                                                        | 46                                                 | 44                                                        |
| 206                   | 60                   | 1                    | 104                                             | 82                                               | 60                                                    | 102                                                 | 72                                     | 43                                                        | 42                                                        | 42                                                        | 47                                                 | 44                                                        |
| 207                   | 60                   | 22                   | 103                                             | 82                                               | 61                                                    | 104                                                 | 71                                     | 43                                                        | 42                                                        | 42                                                        | 48                                                 | 45                                                        |
| 208                   | 60                   | 43                   | 103                                             | 78                                               | 59                                                    | 103                                                 | 71                                     | 43                                                        | 42                                                        | 41                                                        | 48                                                 | 45                                                        |
| 209                   | 61                   | 4                    | 103                                             | 79                                               | 59                                                    | 102                                                 | 71                                     | 42                                                        | 42                                                        | 41                                                        | 48                                                 | 45                                                        |
| 210                   | 61                   | 25                   | 103                                             | 79                                               | 59                                                    | 102                                                 | 71                                     | 42                                                        | 42                                                        | 42                                                        | 48                                                 | 45                                                        |
| 211                   | 61                   | 46                   | 103                                             | 79                                               | 58                                                    | 104                                                 | 70                                     | 42                                                        | 41                                                        | 42                                                        | 48                                                 | 45                                                        |
| 212                   | 62                   | 7                    | 104                                             | 78                                               | 57                                                    | 105                                                 | 70                                     | 42                                                        | 41                                                        | 42                                                        | 48                                                 | 45                                                        |
| 213                   | 62                   | 29                   | 104                                             | 78                                               | 56                                                    | 105                                                 | 70                                     | 42                                                        | 41                                                        | 41                                                        | 48                                                 | 44                                                        |
| 214                   | 62                   | 50                   | 105                                             | 78                                               | 57                                                    | 105                                                 | 70                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                 | 45                                                        |
| 215                   | 63                   | 11                   | 105                                             | 78                                               | 57                                                    | 106                                                 | 69                                     | 42                                                        | 41                                                        | 42                                                        | 48                                                 | 44                                                        |
| 216                   | 63                   | 32                   | 105                                             | 78                                               | 56                                                    | 106                                                 | 69                                     | 42                                                        | 42                                                        | 42                                                        | 48                                                 | 44                                                        |
| 217                   | 63                   | 53                   | 105                                             | 79                                               | 56                                                    | 107                                                 | 69                                     | 42                                                        | 41                                                        | 42                                                        | 47                                                 | 44                                                        |
| 218                   | 64                   | 14                   | 105                                             | 78                                               | 56                                                    | 107                                                 | 68                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                 | 44                                                        |
| 219                   | 64                   | 35                   | 106                                             | 79                                               | 56                                                    | 106                                                 | 68                                     | 43                                                        | 41                                                        | 41                                                        | 48                                                 | 43                                                        |
| 220                   | 64                   | 56                   | 105                                             | 77                                               | 56                                                    | 107                                                 | 68                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                 | 44                                                        |
| 221                   | 65                   | 17                   | 105                                             | 78                                               | 55                                                    | 107                                                 | 68                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 44                                                        |
| 222                   | 65                   | 38                   | 106                                             | 79                                               | 55                                                    | 107                                                 | 68                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 44                                                        |
| 223                   | 66                   | 9                    | 106                                             | 78                                               | 56                                                    | 108                                                 | 68                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                 | 44                                                        |
| 224                   | 66                   | 21                   | 106                                             | 78                                               | 56                                                    | 108                                                 | 68                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 44                                                        |
| 225                   | 66                   | 42                   | 106                                             | 79                                               | 55                                                    | 107                                                 | 67                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                 | 44                                                        |
| 226                   | 67                   | 3                    | 106                                             | 79                                               | 56                                                    | 108                                                 | 67                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                 | 44                                                        |
| 227                   | 67                   | 24                   | 106                                             | 79                                               | 55                                                    | 108                                                 | 67                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 44                                                        |
| 228                   | 67                   | 45                   | 106                                             | 78                                               | 55                                                    | 107                                                 | 65                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 44                                                        |
| 229                   | 68                   | 6                    | 106                                             | 79                                               | 56                                                    | 106                                                 | 67                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 44                                                        |
| 230                   | 68                   | 27                   | 106                                             | 79                                               | 56                                                    | 108                                                 | 66                                     | 41                                                        | 41                                                        | 40                                                        | 46                                                 | 43                                                        |
| 231                   | 68                   | 48                   | 106                                             | 79                                               | 56                                                    | 107                                                 | 67                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 43                                                        |
| 232                   | 69                   | 9                    | 105                                             | 78                                               | 57                                                    | 110                                                 | 66                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 43                                                        |
| 233                   | 69                   | 29                   | 105                                             | 79                                               | 56                                                    | 106                                                 | 66                                     | 42                                                        | 41                                                        | 40                                                        | 47                                                 | 42                                                        |
| 234                   | 69                   | 52                   | 105                                             | 79                                               | 62                                                    | 106                                                 | 65                                     | 41                                                        | 41                                                        | 41                                                        | 46                                                 | 42                                                        |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>GROX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G.BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>SEN.1<br>WASS<br>TEMP<br>DEG.C | 5-22<br>L-ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L-ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L-ELEC<br>COMPT<br>BTMLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R-ELEC<br>COMPT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R-ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|
| 235                   | 70                   | 13                   | 105                                                     | 79                                                        | 63                                                    | 104                                                 | 66                                     | 41                                                        | 41                                                        | 41                                                        | 48                                                 | 42                                                        |
| 236                   | 70                   | 34                   | 104                                                     | 78                                                        | 53                                                    | 101                                                 | 65                                     | 41                                                        | 40                                                        | 41                                                        | 47                                                 | 42                                                        |
| 237                   | 70                   | 55                   | 104                                                     | 77                                                        | 51                                                    | 100                                                 | 65                                     | 41                                                        | 40                                                        | 41                                                        | 47                                                 | 42                                                        |
| 238                   | 71                   | 16                   | 103                                                     | 79                                                        | 49                                                    | 100                                                 | 87                                     | 41                                                        | 40                                                        | 40                                                        | 47                                                 | 42                                                        |
| 239                   | 71                   | 37                   | 102                                                     | 78                                                        | 49                                                    | 96                                                  | 66                                     | 41                                                        | 41                                                        | 40                                                        | 47                                                 | 41                                                        |
| 240                   | 71                   | 58                   | 101                                                     | 77                                                        | 44                                                    | 99                                                  | 66                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                 | 41                                                        |
| 241                   | 71                   | 19                   | 101                                                     | 75                                                        | 44                                                    | 95                                                  | 65                                     | 40                                                        | 39                                                        | 39                                                        | 45                                                 | 41                                                        |
| 242                   | 72                   | 40                   | 101                                                     | 75                                                        | 45                                                    | 94                                                  | 67                                     | 41                                                        | 39                                                        | 40                                                        | 45                                                 | 41                                                        |
| 243                   | 73                   | 1                    | 99                                                      | 75                                                        | 45                                                    | 92                                                  | 86                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                 | 42                                                        |
| 244                   | 73                   | 22                   | 99                                                      | 75                                                        | 45                                                    | 92                                                  | 86                                     | 41                                                        | 40                                                        | 39                                                        | 45                                                 | 44                                                        |
| 245                   | 73                   | 43                   | 98                                                      | 73                                                        | 46                                                    | 94                                                  | 66                                     | 41                                                        | 39                                                        | 39                                                        | 46                                                 | 44                                                        |
| 246                   | 74                   | 4                    | 98                                                      | 74                                                        | 46                                                    | 94                                                  | 66                                     | 41                                                        | 39                                                        | 39                                                        | 46                                                 | 44                                                        |
| 247                   | 74                   | 25                   | 99                                                      | 74                                                        | 46                                                    | 95                                                  | 66                                     | 41                                                        | 40                                                        | 39                                                        | 45                                                 | 43                                                        |
| 248                   | 74                   | 46                   | 99                                                      | 75                                                        | 47                                                    | 94                                                  | 65                                     | 41                                                        | 39                                                        | 40                                                        | 46                                                 | 42                                                        |
| 249                   | 75                   | 7                    | 100                                                     | 75                                                        | 48                                                    | 95                                                  | 66                                     | 41                                                        | 39                                                        | 39                                                        | 46                                                 | 43                                                        |
| 250                   | 75                   | 28                   | 100                                                     | 75                                                        | 47                                                    | 96                                                  | 65                                     | 41                                                        | 39                                                        | 39                                                        | 45                                                 | 44                                                        |
| 251                   | 75                   | 49                   | 100                                                     | 75                                                        | 48                                                    | 99                                                  | 66                                     | 41                                                        | 39                                                        | 40                                                        | 45                                                 | 44                                                        |
| 252                   | 76                   | 10                   | 101                                                     | 75                                                        | 48                                                    | 99                                                  | 65                                     | 41                                                        | 39                                                        | 40                                                        | 47                                                 | 43                                                        |
| 253                   | 76                   | 32                   | 100                                                     | 75                                                        | 48                                                    | 99                                                  | 65                                     | 42                                                        | 39                                                        | 39                                                        | 46                                                 | 44                                                        |
| 254                   | 76                   | 53                   | 100                                                     | 75                                                        | 48                                                    | 99                                                  | 66                                     | 41                                                        | 40                                                        | 39                                                        | 46                                                 | 44                                                        |
| 255                   | 77                   | 14                   | 100                                                     | 75                                                        | 48                                                    | 99                                                  | 65                                     | 41                                                        | 39                                                        | 39                                                        | 46                                                 | 44                                                        |
| 256                   | 77                   | 35                   | 101                                                     | 76                                                        | 48                                                    | 97                                                  | 66                                     | 41                                                        | 40                                                        | 39                                                        | 46                                                 | 44                                                        |
| 257                   | 77                   | 56                   | 101                                                     | 76                                                        | 48                                                    | 99                                                  | 65                                     | 41                                                        | 40                                                        | 39                                                        | 46                                                 | 44                                                        |
| 258                   | 78                   | 17                   | 101                                                     | 76                                                        | 48                                                    | 100                                                 | 65                                     | 41                                                        | 39                                                        | 39                                                        | 46                                                 | 44                                                        |
| 259                   | 78                   | 38                   | 101                                                     | 76                                                        | 49                                                    | 100                                                 | 65                                     | 41                                                        | 40                                                        | 39                                                        | 47                                                 | 44                                                        |
| 260                   | 78                   | 59                   | 101                                                     | 76                                                        | 49                                                    | 100                                                 | 65                                     | 41                                                        | 40                                                        | 40                                                        | 47                                                 | 44                                                        |
| 261                   | 79                   | 21                   | 101                                                     | 77                                                        | 48                                                    | 99                                                  | 65                                     | 41                                                        | 39                                                        | 40                                                        | 46                                                 | 43                                                        |
| 262                   | 79                   | 42                   | 102                                                     | 75                                                        | 48                                                    | 99                                                  | 65                                     | 41                                                        | 40                                                        | 39                                                        | 46                                                 | 44                                                        |
| 263                   | 80                   | 3                    | 102                                                     | 76                                                        | 48                                                    | 99                                                  | 65                                     | 41                                                        | 40                                                        | 39                                                        | 46                                                 | 44                                                        |
| 264                   | 80                   | 24                   | 102                                                     | 76                                                        | 49                                                    | 101                                                 | 65                                     | 41                                                        | 39                                                        | 39                                                        | 46                                                 | 43                                                        |
| 265                   | 80                   | 45                   | 102                                                     | 76                                                        | 49                                                    | 101                                                 | 65                                     | 41                                                        | 39                                                        | 40                                                        | 45                                                 | 43                                                        |
| 266                   | 81                   | 6                    | 102                                                     | 76                                                        | 51                                                    | 103                                                 | 65                                     | 41                                                        | 39                                                        | 39                                                        | 46                                                 | 42                                                        |
| 267                   | 81                   | 27                   | 102                                                     | 79                                                        | 51                                                    | 104                                                 | 64                                     | 41                                                        | 39                                                        | 40                                                        | 46                                                 | 42                                                        |
| 268                   | 81                   | 49                   | 102                                                     | 84                                                        | 50                                                    | 101                                                 | 65                                     | 42                                                        | 40                                                        | 40                                                        | 45                                                 | 45                                                        |
| 269                   | 82                   | 10                   | 103                                                     | 84                                                        | 51                                                    | 106                                                 | 67                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                 | 45                                                        |
| 270                   | 82                   | 31                   | 103                                                     | 80                                                        | 54                                                    | 103                                                 | 67                                     | 42                                                        | 40                                                        | 40                                                        | 46                                                 | 45                                                        |
| 271                   | 82                   | 52                   | 102                                                     | 80                                                        | 56                                                    | 101                                                 | 67                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 46                                                        |
| 272                   | 83                   | 13                   | 102                                                     | 79                                                        | 57                                                    | 104                                                 | 68                                     | 42                                                        | 41                                                        | 40                                                        | 46                                                 | 46                                                        |
| 273                   | 83                   | 34                   | 101                                                     | 79                                                        | 57                                                    | 101                                                 | 69                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 46                                                        |
| 274                   | 83                   | 55                   | 101                                                     | 78                                                        | 57                                                    | 99                                                  | 69                                     | 42                                                        | 41                                                        | 41                                                        | 45                                                 | 46                                                        |
| 275                   | 84                   | 16                   | 100                                                     | 77                                                        | 58                                                    | 101                                                 | 69                                     | 42                                                        | 41                                                        | 41                                                        | 45                                                 | 46                                                        |
| 276                   | 84                   | 37                   | 99                                                      | 77                                                        | 58                                                    | 99                                                  | 70                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 46                                                        |
| 277                   | 84                   | 58                   | 99                                                      | 77                                                        | 58                                                    | 101                                                 | 71                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 46                                                        |
| 278                   | 85                   | 19                   | 98                                                      | 78                                                        | 58                                                    | 99                                                  | 71                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 46                                                        |
| 279                   | 85                   | 40                   | 98                                                      | 77                                                        | 58                                                    | 101                                                 | 72                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                 | 47                                                        |
| 280                   | 86                   | 1                    | 96                                                      | 75                                                        | 56                                                    | 101                                                 | 73                                     | 42                                                        | 40                                                        | 41                                                        | 45                                                 | 45                                                        |
| 281                   | 86                   | 22                   | 97                                                      | 75                                                        | 55                                                    | 100                                                 | 70                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                 | 45                                                        |
| 282                   | 86                   | 43                   | 97                                                      | 75                                                        | 55                                                    | 97                                                  | 69                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                 | 44                                                        |
| 283                   | 87                   | 4                    | 97                                                      | 76                                                        | 53                                                    | 97                                                  | 69                                     | 42                                                        | 40                                                        | 40                                                        | 46                                                 | 44                                                        |
| 284                   | 87                   | 25                   | 98                                                      | 76                                                        | 54                                                    | 103                                                 | 70                                     | 41                                                        | 41                                                        | 40                                                        | 46                                                 | 44                                                        |

| -01<br>SNEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>G. BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G. BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>SEN.1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>8TH RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTMLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>L-FT<br>AIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| 285                   | 07                   | 46                   | 98                                                        | 74                                                         | 54                                                    | 100                                                 | 69                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 286                   | 08                   | 0                    | 99                                                        | 75                                                         | 54                                                    | 101                                                 | 68                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 287                   | 08                   | 29                   | 95                                                        | 75                                                         | 54                                                    | 100                                                 | 68                                     | 41                                                        | 40                                                        | 40                                                        | *                                                       | 44                                                        |
| 288                   | 08                   | 50                   | 101                                                       | 75                                                         | 54                                                    | 98                                                  | 68                                     | 42                                                        | 40                                                        | 41                                                        | 45                                                      | 44                                                        |
| 289                   | 09                   | 11                   | 100                                                       | 74                                                         | 54                                                    | 103                                                 | 68                                     | 41                                                        | 39                                                        | 40                                                        | 46                                                      | 44                                                        |
| 290                   | 09                   | 32                   | 100                                                       | 75                                                         | 53                                                    | 100                                                 | 68                                     | 41                                                        | 39                                                        | 40                                                        | 46                                                      | 43                                                        |
| 291                   | 09                   | 53                   | 100                                                       | 76                                                         | 54                                                    | 103                                                 | 68                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 43                                                        |
| 292                   | 09                   | 15                   | 101                                                       | 75                                                         | 53                                                    | 100                                                 | 68                                     | 41                                                        | 39                                                        | 40                                                        | 46                                                      | 43                                                        |
| 293                   | 09                   | 36                   | 101                                                       | 77                                                         | 52                                                    | 99                                                  | 67                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 294                   | 09                   | 57                   | 101                                                       | 76                                                         | 53                                                    | 101                                                 | 67                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 295                   | 09                   | 18                   | 101                                                       | 76                                                         | 53                                                    | 101                                                 | 66                                     | 42                                                        | 40                                                        | 40                                                        | 45                                                      | 45                                                        |
| 296                   | 09                   | 39                   | 102                                                       | 76                                                         | 53                                                    | 100                                                 | 67                                     | 42                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 297                   | 09                   | 0                    | 102                                                       | 76                                                         | 52                                                    | 99                                                  | 67                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 43                                                        |
| 298                   | 09                   | 21                   | 102                                                       | 76                                                         | 53                                                    | 103                                                 | 67                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 43                                                        |
| 299                   | 09                   | 43                   | 101                                                       | 75                                                         | 53                                                    | 99                                                  | 67                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 43                                                        |
| 300                   | 09                   | 4                    | 101                                                       | 75                                                         | 53                                                    | 99                                                  | 68                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 42                                                        |
| 301                   | 09                   | 25                   | 101                                                       | 75                                                         | 53                                                    | 101                                                 | 66                                     | 41                                                        | 40                                                        | 41                                                        | 45                                                      | 43                                                        |
| 302                   | 09                   | 46                   | 103                                                       | 76                                                         | 54                                                    | 99                                                  | 66                                     | 41                                                        | 40                                                        | 41                                                        | 45                                                      | 43                                                        |
| 303                   | 09                   | 7                    | 102                                                       | 76                                                         | 52                                                    | 99                                                  | 66                                     | 42                                                        | 40                                                        | 41                                                        | 46                                                      | 44                                                        |
| 304                   | 09                   | 24                   | 101                                                       | 76                                                         | 52                                                    | 97                                                  | 66                                     | 41                                                        | 39                                                        | 40                                                        | 45                                                      | 43                                                        |
| 305                   | 09                   | 49                   | 102                                                       | 76                                                         | 53                                                    | 103                                                 | 67                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 43                                                        |
| 306                   | 09                   | 10                   | 102                                                       | 76                                                         | 53                                                    | 100                                                 | 66                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 42                                                        |
| 307                   | 09                   | 32                   | 102                                                       | 76                                                         | 53                                                    | 101                                                 | 66                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 43                                                        |
| 308                   | 09                   | 53                   | 102                                                       | 76                                                         | 52                                                    | 104                                                 | 66                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 43                                                        |
| 309                   | 09                   | 14                   | 102                                                       | 76                                                         | 53                                                    | 100                                                 | 66                                     | 41                                                        | 40                                                        | 40                                                        | 45                                                      | 43                                                        |
| 310                   | 09                   | 35                   | 102                                                       | 76                                                         | 53                                                    | 100                                                 | 66                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 43                                                        |
| 311                   | 09                   | 56                   | 102                                                       | 76                                                         | 52                                                    | 101                                                 | 66                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 43                                                        |
| 312                   | 09                   | 17                   | 102                                                       | 76                                                         | 52                                                    | 101                                                 | 66                                     | 41                                                        | 39                                                        | 40                                                        | 45                                                      | 44                                                        |
| 313                   | 09                   | 39                   | 103                                                       | 76                                                         | 52                                                    | 101                                                 | 66                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 43                                                        |
| 314                   | 09                   | 0                    | 104                                                       | 85                                                         | 54                                                    | 104                                                 | 63                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                      | 45                                                        |
| 315                   | 09                   | 21                   | 103                                                       | 82                                                         | 55                                                    | 104                                                 | 63                                     | 41                                                        | 41                                                        | 41                                                        | 45                                                      | 45                                                        |
| 316                   | 09                   | 42                   | 103                                                       | 82                                                         | 56                                                    | 101                                                 | 63                                     | 42                                                        | 41                                                        | 40                                                        | 46                                                      | 44                                                        |
| 317                   | 09                   | 3                    | 102                                                       | 82                                                         | 55                                                    | 103                                                 | 70                                     | 41                                                        | 41                                                        | 41                                                        | 45                                                      | 44                                                        |
| 318                   | 09                   | 24                   | 101                                                       | 82                                                         | 55                                                    | 103                                                 | 70                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                      | 44                                                        |
| 319                   | 09                   | 45                   | 101                                                       | 82                                                         | 56                                                    | 104                                                 | 70                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                      | 44                                                        |
| 320                   | 09                   | 6                    | 101                                                       | 83                                                         | 56                                                    | 103                                                 | 71                                     | 42                                                        | 41                                                        | 41                                                        | 47                                                      | 44                                                        |
| 321                   | 10                   | 27                   | 101                                                       | 82                                                         | 57                                                    | 100                                                 | 72                                     | 42                                                        | 41                                                        | 41                                                        | 45                                                      | 43                                                        |
| 322                   | 10                   | 46                   | 100                                                       | 82                                                         | 57                                                    | 101                                                 | 71                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                      | 44                                                        |
| 323                   | 10                   | 9                    | 100                                                       | 81                                                         | 57                                                    | 102                                                 | 72                                     | 42                                                        | 41                                                        | 41                                                        | 45                                                      | 44                                                        |
| 324                   | 10                   | 30                   | 100                                                       | 83                                                         | 57                                                    | 100                                                 | 72                                     | 42                                                        | 41                                                        | 41                                                        | 46                                                      | 44                                                        |
| 325                   | 10                   | 51                   | 100                                                       | 81                                                         | 57                                                    | 103                                                 | 72                                     | 43                                                        | 41                                                        | 41                                                        | 47                                                      | 44                                                        |
| 326                   | 10                   | 12                   | 99                                                        | 78                                                         | 56                                                    | 100                                                 | 72                                     | 42                                                        | 41                                                        | 40                                                        | 46                                                      | 45                                                        |
| 327                   | 10                   | 33                   | 99                                                        | 76                                                         | 55                                                    | 100                                                 | 71                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 45                                                        |
| 328                   | 10                   | 54                   | 95                                                        | 76                                                         | 55                                                    | 101                                                 | 71                                     | 41                                                        | 41                                                        | 41                                                        | 46                                                      | 44                                                        |
| 329                   | 10                   | 15                   | 100                                                       | 76                                                         | 54                                                    | 100                                                 | 70                                     | 42                                                        | 41                                                        | 40                                                        | 46                                                      | 44                                                        |
| 330                   | 10                   | 29                   | 100                                                       | 76                                                         | 54                                                    | 101                                                 | 70                                     | 42                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 331                   | 10                   | 54                   | 101                                                       | 75                                                         | 54                                                    | 100                                                 | 71                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 332                   | 10                   | 10                   | 101                                                       | 78                                                         | 55                                                    | 100                                                 | 70                                     | 41                                                        | 40                                                        | 40                                                        | 46                                                      | 45                                                        |
| 333                   | 10                   | 40                   | 101                                                       | 77                                                         | 54                                                    | 101                                                 | 70                                     | 42                                                        | 40                                                        | 40                                                        | 46                                                      | 44                                                        |
| 334                   | 10                   | 1                    | 101                                                       | 78                                                         | 54                                                    | 97                                                  | 70                                     | 42                                                        | 40                                                        | 41                                                        | 47                                                      | 44                                                        |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN.1<br>MSS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>STALFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>P.ELEC<br>COMPT<br>AFTAIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>CENTER<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|---------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| 335                   | 105                  | 22                   | 101                                             | 79                                               | 54                                                    | 100                                                 | 70                                    | 42                                               | 41                                               | 40                                               | 46                                                 | 44                                                 |
| 336                   | 105                  | 43                   | 102                                             | 76                                               | 54                                                    | 96                                                  | 69                                    | 42                                               | 41                                               | 42                                               | 46                                                 | 45                                                 |
| 337                   | 106                  | 5                    | 101                                             | 76                                               | 54                                                    | 99                                                  | 69                                    | 42                                               | 40                                               | 40                                               | 46                                                 | 44                                                 |
| 338                   | 106                  | 26                   | 102                                             | 78                                               | 54                                                    | 98                                                  | 70                                    | 42                                               | 41                                               | 41                                               | 46                                                 | 45                                                 |
| 339                   | 106                  | 47                   | 103                                             | 77                                               | 54                                                    | 96                                                  | 70                                    | 42                                               | 41                                               | 41                                               | 47                                                 | 45                                                 |
| 340                   | 107                  | 8                    | 102                                             | 75                                               | 55                                                    | 99                                                  | 69                                    | 42                                               | 41                                               | 40                                               | 46                                                 | 44                                                 |
| 341                   | 107                  | 29                   | 101                                             | 75                                               | 54                                                    | 99                                                  | 68                                    | 41                                               | 41                                               | 41                                               | 46                                                 | 45                                                 |
| 342                   | 107                  | 50                   | 101                                             | 76                                               | 54                                                    | 97                                                  | 68                                    | 41                                               | 40                                               | 40                                               | 46                                                 | 44                                                 |
| 343                   | 108                  | 12                   | 101                                             | 77                                               | 54                                                    | 101                                                 | 69                                    | 41                                               | 40                                               | 40                                               | 46                                                 | 45                                                 |
| 344                   | 108                  | 33                   | 101                                             | 76                                               | 54                                                    | 99                                                  | 68                                    | 41                                               | 40                                               | 40                                               | 46                                                 | 44                                                 |
| 345                   | 108                  | 54                   | 101                                             | 78                                               | 54                                                    | 97                                                  | 69                                    | 42                                               | 41                                               | 41                                               | 46                                                 | 45                                                 |
| 346                   | 109                  | 15                   | 101                                             | 78                                               | 54                                                    | 101                                                 | 69                                    | 41                                               | 40                                               | 40                                               | 45                                                 | 44                                                 |
| 347                   | 109                  | 36                   | 101                                             | 78                                               | 54                                                    | 99                                                  | 69                                    | 41                                               | 41                                               | 40                                               | 45                                                 | 44                                                 |
| 348                   | 109                  | 58                   | 101                                             | 77                                               | 53                                                    | 97                                                  | 68                                    | 41                                               | 40                                               | 40                                               | 46                                                 | 44                                                 |
| 349                   | 110                  | 19                   | 102                                             | 75                                               | 54                                                    | 99                                                  | 68                                    | 41                                               | 40                                               | 40                                               | 45                                                 | 44                                                 |
| 350                   | 110                  | 40                   | 101                                             | 78                                               | 53                                                    | 93                                                  | 67                                    | 41                                               | 40                                               | 40                                               | 46                                                 | 45                                                 |
| 351                   | 111                  | 1                    | 101                                             | 79                                               | 54                                                    | 95                                                  | 69                                    | 41                                               | 40                                               | 40                                               | 45                                                 | 44                                                 |
| 352                   | 111                  | 22                   | 101                                             | 77                                               | 54                                                    | 95                                                  | 69                                    | 42                                               | 41                                               | 40                                               | 45                                                 | 45                                                 |
| 353                   | 111                  | 43                   | 101                                             | 80                                               | 54                                                    | 99                                                  | 70                                    | 42                                               | 41                                               | 41                                               | 46                                                 | 46                                                 |
| 354                   | 112                  | 4                    | 101                                             | 79                                               | 54                                                    | 99                                                  | 69                                    | 41                                               | 40                                               | 41                                               | 46                                                 | 46                                                 |
| 355                   | 112                  | 25                   | 101                                             | 80                                               | 55                                                    | 98                                                  | 71                                    | 42                                               | 41                                               | 41                                               | 46                                                 | 47                                                 |
| 356                   | 112                  | 46                   | 100                                             | 79                                               | 55                                                    | 98                                                  | 70                                    | 42                                               | 41                                               | 40                                               | 46                                                 | 46                                                 |
| 357                   | 113                  | 7                    | 99                                              | 78                                               | 56                                                    | 99                                                  | 71                                    | 42                                               | 41                                               | 41                                               | 46                                                 | 44                                                 |
| 358                   | 113                  | 28                   | 98                                              | 77                                               | 56                                                    | 101                                                 | 71                                    | 42                                               | 41                                               | 41                                               | 47                                                 | 44                                                 |
| 359                   | 113                  | 49                   | 98                                              | 79                                               | 56                                                    | 101                                                 | 71                                    | 42                                               | 41                                               | 41                                               | 47                                                 | 45                                                 |
| 360                   | 114                  | 10                   | 98                                              | 78                                               | 57                                                    | 99                                                  | 72                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 45                                                 |
| 361                   | 114                  | 31                   | 97                                              | 77                                               | 56                                                    | 95                                                  | 71                                    | 41                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 362                   | 114                  | 52                   | 99                                              | 76                                               | 57                                                    | 98                                                  | 72                                    | 42                                               | 41                                               | 41                                               | 47                                                 | 45                                                 |
| 363                   | 115                  | 13                   | 97                                              | 76                                               | 58                                                    | 96                                                  | 73                                    | 41                                               | 41                                               | 41                                               | 48                                                 | 45                                                 |
| 364                   | 115                  | 35                   | 96                                              | 77                                               | 59                                                    | 97                                                  | 73                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 43                                                 |
| 365                   | 115                  | 56                   | 95                                              | 78                                               | 60                                                    | 97                                                  | 74                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 366                   | 116                  | 18                   | 95                                              | 77                                               | 60                                                    | 96                                                  | 74                                    | 42                                               | 41                                               | 41                                               | 49                                                 | 44                                                 |
| 367                   | 116                  | 39                   | 95                                              | 77                                               | 62                                                    | 94                                                  | 75                                    | 42                                               | 41                                               | 42                                               | 49                                                 | 44                                                 |
| 368                   | 119                  | 14                   | 82                                              | 75                                               | 61                                                    | 93                                                  | 73                                    | 42                                               | 41                                               | 42                                               | 49                                                 | 44                                                 |
| 369                   | 119                  | 48                   | 81                                              | 76                                               | 61                                                    | 88                                                  | 71                                    | 41                                               | 41                                               | 40                                               | 48                                                 | 44                                                 |
| 370                   | 120                  | 10                   | 80                                              | 76                                               | 60                                                    | 87                                                  | 72                                    | 42                                               | 40                                               | 41                                               | 48                                                 | 43                                                 |
| 371                   | 120                  | 31                   | 79                                              | 75                                               | 61                                                    | 87                                                  | 72                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 372                   | 120                  | 52                   | 79                                              | 76                                               | 60                                                    | 83                                                  | 72                                    | 41                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 373                   | 121                  | 15                   | 78                                              | 76                                               | 61                                                    | 83                                                  | 72                                    | 41                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 374                   | 121                  | 36                   | 78                                              | 75                                               | 60                                                    | 90                                                  | 72                                    | 42                                               | 41                                               | 41                                               | 49                                                 | 44                                                 |
| 375                   | 123                  | 17                   | 77                                              | 75                                               | 60                                                    | 83                                                  | 75                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 376                   | 123                  | 39                   | 77                                              | 75                                               | 63                                                    | 83                                                  | 75                                    | 42                                               | 41                                               | 41                                               | 49                                                 | 44                                                 |
| 377                   | 124                  | 1                    | 76                                              | 75                                               | 61                                                    | 83                                                  | 78                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 378                   | 124                  | 22                   | 76                                              | 74                                               | 60                                                    | 82                                                  | 78                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 379                   | 124                  | 44                   | 76                                              | 74                                               | 60                                                    | 82                                                  | 78                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 380                   | 129                  | 23                   | 76                                              | 74                                               | 60                                                    | 82                                                  | 78                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 381                   | 129                  | 47                   | 71                                              | 71                                               | 57                                                    | 77                                                  | 75                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 382                   | 130                  | 9                    | 71                                              | 71                                               | 57                                                    | 77                                                  | 75                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 383                   | 130                  | 30                   | 71                                              | 71                                               | 56                                                    | 77                                                  | 75                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |
| 384                   | 130                  | 52                   | 71                                              | 71                                               | 56                                                    | 76                                                  | 75                                    | 42                                               | 41                                               | 41                                               | 48                                                 | 44                                                 |

|                       |                      |                      |                                                           |                                                            |                                                       |                                                     |                                         |                                                           |                                                           |                                                           |                                                            |                                                           |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>G. BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G. BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN. 1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTMLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
| 385                   | 131                  | 13                   | 71                                                        | 71                                                         | 56                                                    | 76                                                  | 75                                      | 42                                                        | 41                                                        | 41                                                        | 48                                                         | 45                                                        |
| 386                   | 139                  | 54                   | 67                                                        | 67                                                         | 54                                                    | 73                                                  | 73                                      | 42                                                        | 42                                                        | 41                                                        | 48                                                         | 45                                                        |
| 387                   | 140                  | 16                   | 67                                                        | 67                                                         | 54                                                    | 73                                                  | 73                                      | 42                                                        | 41                                                        | 42                                                        | 48                                                         | 45                                                        |
| 388                   | 140                  | 37                   | 67                                                        | 68                                                         | 54                                                    | 73                                                  | 73                                      | 42                                                        | 41                                                        | 42                                                        | 48                                                         | 45                                                        |
| 389                   | 140                  | 59                   | 67                                                        | 68                                                         | 55                                                    | 73                                                  | 73                                      | 42                                                        | 42                                                        | 41                                                        | 48                                                         | 45                                                        |
| 390                   | 141                  | 21                   | 67                                                        | 67                                                         | 54                                                    | 72                                                  | 72                                      | 42                                                        | 42                                                        | 42                                                        | 48                                                         | 45                                                        |
| 391                   | 148                  | 58                   | 64                                                        | 65                                                         | 49                                                    | 69                                                  | 71                                      | 43                                                        | 42                                                        | 42                                                        | 48                                                         | 45                                                        |
| 392                   | 149                  | 20                   | 65                                                        | 65                                                         | 49                                                    | 69                                                  | 70                                      | 43                                                        | 42                                                        | 41                                                        | 47                                                         | 45                                                        |
| 393                   | 149                  | 42                   | 65                                                        | 65                                                         | 50                                                    | 69                                                  | 70                                      | 42                                                        | 42                                                        | 42                                                        | 48                                                         | 45                                                        |
| 394                   | 150                  | 3                    | 64                                                        | 65                                                         | 49                                                    | 69                                                  | 71                                      | 42                                                        | 41                                                        | 42                                                        | 48                                                         | 45                                                        |
| 395                   | 150                  | 25                   | 64                                                        | 65                                                         | 50                                                    | 69                                                  | 70                                      | 42                                                        | 41                                                        | 42                                                        | 48                                                         | 45                                                        |
| 396                   | 150                  | 47                   | 65                                                        | 65                                                         | 51                                                    | 69                                                  | 70                                      | 43                                                        | 42                                                        | 42                                                        | 48                                                         | 45                                                        |

NH-53C S/N 60-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/3LVL<br>TEMP<br>DEG.C | 5-29<br>GEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|
| 39                    | 1                    | 11                   | 46                                                           | 33                                                        | 43                                     |
| 40                    | 4                    | 4                    | 46                                                           | 33                                                        | 43                                     |
| 41                    | 1                    | 54                   | 46                                                           | 33                                                        | 43                                     |
| 42                    | 2                    | 16                   | 46                                                           | 33                                                        | 43                                     |
| 43                    | 2                    | 37                   | 46                                                           | 33                                                        | 43                                     |
| 44                    | 2                    | 59                   | 46                                                           | 33                                                        | 43                                     |
| 45                    | 3                    | 20                   | 46                                                           | 33                                                        | 43                                     |
| 46                    | 3                    | 42                   | 46                                                           | 33                                                        | 43                                     |
| 47                    | 4                    | 3                    | 46                                                           | 33                                                        | 43                                     |
| 48                    | 4                    | 25                   | 46                                                           | 33                                                        | 43                                     |
| 49                    | 4                    | 46                   | 46                                                           | 33                                                        | 43                                     |
| 50                    | 5                    | 7                    | 46                                                           | 33                                                        | 43                                     |
| 51                    | 5                    | 29                   | 46                                                           | 33                                                        | 43                                     |
| 52                    | 5                    | 50                   | 46                                                           | 33                                                        | 43                                     |
| 53                    | 6                    | 12                   | 46                                                           | 33                                                        | 43                                     |
| 54                    | 6                    | 33                   | 46                                                           | 33                                                        | 43                                     |
| 55                    | 6                    | 55                   | 46                                                           | 33                                                        | 43                                     |
| 56                    | 7                    | 16                   | 46                                                           | 33                                                        | 43                                     |
| 57                    | 7                    | 37                   | 46                                                           | 33                                                        | 43                                     |
| 58                    | 8                    | 19                   | 46                                                           | 33                                                        | 43                                     |
| 59                    | 8                    | 40                   | 46                                                           | 33                                                        | 43                                     |
| 60                    | 9                    | 2                    | 46                                                           | 33                                                        | 43                                     |
| 61                    | 9                    | 23                   | 46                                                           | 33                                                        | 43                                     |
| 62                    | 9                    | 44                   | 46                                                           | 33                                                        | 43                                     |
| 63                    | 10                   | 5                    | 46                                                           | 33                                                        | 43                                     |
| 64                    | 10                   | 26                   | 46                                                           | 33                                                        | 43                                     |
| 65                    | 10                   | 47                   | 46                                                           | 33                                                        | 43                                     |
| 66                    | 11                   | 8                    | 46                                                           | 33                                                        | 43                                     |
| 67                    | 11                   | 29                   | 46                                                           | 33                                                        | 43                                     |
| 68                    | 11                   | 51                   | 46                                                           | 33                                                        | 43                                     |
| 69                    | 12                   | 12                   | 46                                                           | 33                                                        | 43                                     |
| 70                    | 12                   | 33                   | 46                                                           | 33                                                        | 43                                     |
| 71                    | 12                   | 54                   | 46                                                           | 33                                                        | 43                                     |
| 72                    | 13                   | 15                   | 46                                                           | 33                                                        | 43                                     |
| 73                    | 13                   | 37                   | 46                                                           | 33                                                        | 43                                     |
| 74                    | 13                   | 58                   | 46                                                           | 33                                                        | 43                                     |
| 75                    | 14                   | 19                   | 46                                                           | 33                                                        | 43                                     |
| 76                    | 14                   | 40                   | 46                                                           | 33                                                        | 43                                     |
| 77                    | 15                   | 1                    | 46                                                           | 33                                                        | 43                                     |
| 78                    | 15                   | 22                   | 46                                                           | 33                                                        | 43                                     |
| 79                    | 15                   | 43                   | 46                                                           | 33                                                        | 43                                     |
| 80                    | 16                   | 5                    | 46                                                           | 33                                                        | 43                                     |
| 81                    | 16                   | 26                   | 46                                                           | 33                                                        | 43                                     |
| 82                    | 16                   | 47                   | 46                                                           | 33                                                        | 43                                     |
| 83                    | 16                   | 50                   | 46                                                           | 33                                                        | 43                                     |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWAIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/3LVL<br>TEMP<br>DEG.C | 5-29<br>GEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|
| 84                    | 17                   | 8                    | 50                                                         | 33                                                        | 65                                     |
| 85                    | 17                   | 29                   | 49                                                         | 33                                                        | 66                                     |
| 86                    | 17                   | 50                   | 50                                                         | 34                                                        | 66                                     |
| 87                    | 18                   | 11                   | 51                                                         | 34                                                        | 66                                     |
| 88                    | 18                   | 32                   | 51                                                         | 33                                                        | 68                                     |
| 89                    | 18                   | 53                   | 50                                                         | 34                                                        | 67                                     |
| 90                    | 19                   | 15                   | 49                                                         | 34                                                        | 67                                     |
| 91                    | 19                   | 36                   | 49                                                         | 33                                                        | 68                                     |
| 92                    | 19                   | 57                   | 49                                                         | 34                                                        | 68                                     |
| 93                    | 20                   | 18                   | 49                                                         | 34                                                        | 68                                     |
| 94                    | 20                   | 39                   | 49                                                         | 34                                                        | 68                                     |
| 95                    | 21                   | 0                    | 49                                                         | 33                                                        | 68                                     |
| 96                    | 21                   | 21                   | 49                                                         | 34                                                        | 69                                     |
| 97                    | 21                   | 42                   | 49                                                         | 33                                                        | 69                                     |
| 98                    | 22                   | 3                    | 49                                                         | 33                                                        | 69                                     |
| 99                    | 22                   | 45                   | 49                                                         | 33                                                        | 70                                     |
| 100                   | 22                   | 6                    | 49                                                         | 33                                                        | 69                                     |
| 101                   | 23                   | 27                   | 49                                                         | 33                                                        | 70                                     |
| 102                   | 23                   | 48                   | 49                                                         | 34                                                        | 70                                     |
| 103                   | 24                   | 9                    | 49                                                         | 33                                                        | 70                                     |
| 104                   | 24                   | 30                   | 49                                                         | 33                                                        | 70                                     |
| 105                   | 24                   | 51                   | 49                                                         | 33                                                        | 71                                     |
| 106                   | 25                   | 12                   | 49                                                         | 33                                                        | 70                                     |
| 107                   | 25                   | 33                   | 49                                                         | 33                                                        | 71                                     |
| 108                   | 25                   | 54                   | 49                                                         | 34                                                        | 71                                     |
| 109                   | 26                   | 15                   | 49                                                         | 33                                                        | 72                                     |
| 110                   | 26                   | 36                   | 50                                                         | 34                                                        | 72                                     |
| 111                   | 26                   | 57                   | 51                                                         | 33                                                        | 72                                     |
| 112                   | 27                   | 18                   | 51                                                         | 33                                                        | 72                                     |
| 113                   | 27                   | 39                   | 51                                                         | 34                                                        | 72                                     |
| 114                   | 27                   | 0                    | 51                                                         | 34                                                        | 73                                     |
| 115                   | 28                   | 21                   | 49                                                         | 34                                                        | 73                                     |
| 116                   | 28                   | 42                   | 47                                                         | 34                                                        | 73                                     |
| 117                   | 29                   | 3                    | 44                                                         | 34                                                        | 73                                     |
| 118                   | 29                   | 24                   | 44                                                         | 36                                                        | 72                                     |
| 119                   | 29                   | 45                   | 43                                                         | 33                                                        | 72                                     |
| 120                   | 30                   | 6                    | 43                                                         | 33                                                        | 73                                     |
| 121                   | 30                   | 28                   | 43                                                         | 34                                                        | 72                                     |
| 122                   | 30                   | 49                   | 42                                                         | 34                                                        | 72                                     |
| 123                   | 31                   | 10                   | 42                                                         | 33                                                        | 72                                     |
| 124                   | 31                   | 31                   | 42                                                         | 33                                                        | 72                                     |
| 125                   | 31                   | 52                   | 41                                                         | 33                                                        | 72                                     |
| 126                   | 32                   | 13                   | 41                                                         | 33                                                        | 72                                     |
| 127                   | 32                   | 34                   | 41                                                         | 33                                                        | 72                                     |
| 128                   | 32                   | 55                   | 42                                                         | 34                                                        | 72                                     |
| 129                   | 33                   | 17                   | 41                                                         | 34                                                        | 72                                     |
| 130                   | 33                   | 38                   | 41                                                         | 33                                                        | 72                                     |
| 131                   | 33                   | 59                   | 41                                                         | 33                                                        | 72                                     |
| 132                   | 34                   | 20                   | 41                                                         | 33                                                        | 71                                     |
| 133                   | 34                   | 41                   | 41                                                         | 33                                                        | 72                                     |
| 134                   | 34                   | 41                   | 41                                                         | 33                                                        | 72                                     |



200  
-01  
SNEEP  
COUNT

|     | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-24<br>L.MAIN<br>FUEL<br>CELL<br>1/3 LVL<br>TEMP<br>DEG.C | 5-29<br>GEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----|----------------------|----------------------|--------------------------------------------------------------|------------------------------------------------------------|----------------------------------------|
| 135 | 35                   | 3                    | 42                                                           | 33                                                         | 72                                     |
| 136 | 35                   | 24                   | 42                                                           | 33                                                         | 72                                     |
| 137 | 35                   | 45                   | 42                                                           | 33                                                         | 72                                     |
| 138 | 36                   | 6                    | 41                                                           | 33                                                         | 73                                     |
| 139 | 36                   | 27                   | 42                                                           | 33                                                         | 73                                     |
| 140 | 36                   | 48                   | 42                                                           | 33                                                         | 73                                     |
| 141 | 37                   | 10                   | 41                                                           | 34                                                         | 73                                     |
| 142 | 37                   | 31                   | 40                                                           | 34                                                         | 74                                     |
| 143 | 37                   | 52                   | 41                                                           | 33                                                         | 74                                     |
| 144 | 38                   | 13                   | 40                                                           | 33                                                         | 73                                     |
| 145 | 38                   | 34                   | 41                                                           | 34                                                         | 73                                     |
| 146 | 38                   | 55                   | 41                                                           | 33                                                         | 73                                     |
| 147 | 39                   | 16                   | 40                                                           | 34                                                         | 73                                     |
| 148 | 39                   | 37                   | 40                                                           | 34                                                         | 73                                     |
| 149 | 39                   | 58                   | 42                                                           | 33                                                         | 73                                     |
| 150 | 40                   | 19                   | 42                                                           | 34                                                         | 72                                     |
| 151 | 40                   | 40                   | 43                                                           | 33                                                         | 72                                     |
| 152 | 41                   | 2                    | 42                                                           | 33                                                         | 71                                     |
| 153 | 41                   | 23                   | 41                                                           | 33                                                         | 72                                     |
| 154 | 41                   | 44                   | 41                                                           | 33                                                         | 71                                     |
| 155 | 42                   | 5                    | 45                                                           | 34                                                         | 71                                     |
| 156 | 42                   | 26                   | 42                                                           | 33                                                         | 71                                     |
| 157 | 42                   | 47                   | 45                                                           | 33                                                         | 71                                     |
| 158 | 43                   | 8                    | 42                                                           | 33                                                         | 71                                     |
| 159 | 43                   | 30                   | 42                                                           | 33                                                         | 72                                     |
| 160 | 43                   | 51                   | 42                                                           | 34                                                         | 72                                     |
| 161 | 44                   | 12                   | 42                                                           | 34                                                         | 72                                     |
| 162 | 44                   | 33                   | 41                                                           | 33                                                         | 72                                     |
| 163 | 44                   | 54                   | 42                                                           | 34                                                         | 73                                     |
| 164 | 45                   | 15                   | 42                                                           | 34                                                         | 73                                     |
| 165 | 45                   | 36                   | 41                                                           | 34                                                         | 73                                     |
| 166 | 45                   | 57                   | 41                                                           | 34                                                         | 73                                     |
| 167 | 46                   | 19                   | 41                                                           | 34                                                         | 72                                     |
| 168 | 46                   | 40                   | 41                                                           | 34                                                         | 72                                     |
| 169 | 47                   | 1                    | 40                                                           | 34                                                         | 71                                     |
| 170 | 47                   | 22                   | 40                                                           | 34                                                         | 70                                     |
| 171 | 47                   | 43                   | 39                                                           | 34                                                         | 70                                     |
| 172 | 48                   | 4                    | 39                                                           | 33                                                         | 70                                     |
| 173 | 48                   | 25                   | 38                                                           | 33                                                         | 69                                     |
| 174 | 48                   | 46                   | 39                                                           | 34                                                         | 69                                     |
| 175 | 49                   | 7                    | 39                                                           | 34                                                         | 69                                     |
| 176 | 49                   | 28                   | 38                                                           | 34                                                         | 69                                     |
| 177 | 49                   | 50                   | 39                                                           | 34                                                         | 69                                     |
| 178 | 50                   | 11                   | 39                                                           | 34                                                         | 68                                     |
| 179 | 50                   | 32                   | 39                                                           | 34                                                         | 68                                     |
| 180 | 50                   | 53                   | 39                                                           | 34                                                         | 68                                     |
| 181 | 51                   | 14                   | 39                                                           | 34                                                         | 68                                     |
| 182 | 51                   | 35                   | 39                                                           | 34                                                         | 68                                     |
| 183 | 51                   | 56                   | 39                                                           | 34                                                         | 68                                     |
| 184 | 52                   | 17                   | 39                                                           | 34                                                         | 67                                     |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R-ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L-MAIN<br>FUEL<br>CELL<br>1/3 LVL<br>TEMP<br>DEG.C | 5-29<br>GEN. 2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|
| 105                   | 52                   | 39                   | 38                                                           | 34                                                         | 66                                      |
| 106                   | 53                   | 0                    | 39                                                           | 34                                                         | 66                                      |
| 107                   | 53                   | 21                   | 39                                                           | 34                                                         | 66                                      |
| 108                   | 53                   | 42                   | 39                                                           | 34                                                         | 66                                      |
| 109                   | 54                   | 3                    | 39                                                           | 34                                                         | 66                                      |
| 190                   | 54                   | 24                   | 39                                                           | 34                                                         | 66                                      |
| 191                   | 54                   | 45                   | 39                                                           | 34                                                         | 66                                      |
| 192                   | 55                   | 6                    | 39                                                           | 34                                                         | 65                                      |
| 193                   | 55                   | 27                   | 39                                                           | 34                                                         | 65                                      |
| 194                   | 55                   | 48                   | 39                                                           | 34                                                         | 65                                      |
| 195                   | 56                   | 9                    | 39                                                           | 34                                                         | 65                                      |
| 196                   | 56                   | 30                   | 39                                                           | 34                                                         | 65                                      |
| 197                   | 56                   | 51                   | 39                                                           | 34                                                         | 64                                      |
| 198                   | 57                   | 13                   | 39                                                           | 34                                                         | 64                                      |
| 199                   | 57                   | 34                   | 40                                                           | 34                                                         | 65                                      |
| 200                   | 57                   | 55                   | 40                                                           | 34                                                         | 66                                      |
| 201                   | 58                   | 16                   | 41                                                           | 34                                                         | 66                                      |
| 202                   | 58                   | 37                   | 42                                                           | 34                                                         | 66                                      |
| 203                   | 58                   | 58                   | 44                                                           | 34                                                         | 68                                      |
| 204                   | 59                   | 19                   | 45                                                           | 35                                                         | 68                                      |
| 205                   | 59                   | 40                   | 46                                                           | 35                                                         | 68                                      |
| 206                   | 60                   | 1                    | 46                                                           | 35                                                         | 69                                      |
| 207                   | 60                   | 22                   | 47                                                           | 34                                                         | 68                                      |
| 208                   | 60                   | 43                   | 47                                                           | 34                                                         | 69                                      |
| 209                   | 61                   | 4                    | 47                                                           | 34                                                         | 69                                      |
| 210                   | 61                   | 25                   | 47                                                           | 35                                                         | 68                                      |
| 211                   | 61                   | 46                   | 47                                                           | 34                                                         | 68                                      |
| 212                   | 62                   | 7                    | 40                                                           | 34                                                         | 67                                      |
| 213                   | 62                   | 29                   | 39                                                           | 34                                                         | 66                                      |
| 214                   | 62                   | 50                   | 39                                                           | 34                                                         | 67                                      |
| 215                   | 63                   | 11                   | 39                                                           | 35                                                         | 67                                      |
| 216                   | 63                   | 32                   | 39                                                           | 34                                                         | 66                                      |
| 217                   | 63                   | 53                   | 39                                                           | 35                                                         | 65                                      |
| 218                   | 64                   | 14                   | 39                                                           | 34                                                         | 65                                      |
| 219                   | 64                   | 35                   | 39                                                           | 34                                                         | 66                                      |
| 220                   | 64                   | 56                   | 39                                                           | 34                                                         | 65                                      |
| 221                   | 65                   | 17                   | 39                                                           | 35                                                         | 65                                      |
| 222                   | 65                   | 38                   | 39                                                           | 35                                                         | 65                                      |
| 223                   | 66                   | 0                    | 39                                                           | 35                                                         | 65                                      |
| 224                   | 66                   | 21                   | 39                                                           | 35                                                         | 65                                      |
| 225                   | 66                   | 42                   | 39                                                           | 34                                                         | 65                                      |
| 226                   | 67                   | 3                    | 39                                                           | 35                                                         | 64                                      |
| 227                   | 67                   | 24                   | 39                                                           | 35                                                         | 64                                      |
| 228                   | 67                   | 45                   | 39                                                           | 34                                                         | 64                                      |
| 229                   | 68                   | 6                    | 39                                                           | 34                                                         | 63                                      |
| 230                   | 68                   | 27                   | 39                                                           | 34                                                         | 64                                      |
| 231                   | 68                   | 48                   | 39                                                           | 35                                                         | 64                                      |
| 232                   | 69                   | 9                    | 39                                                           | 35                                                         | 64                                      |
| 233                   | 69                   | 29                   | 39                                                           | 34                                                         | 63                                      |
| 234                   | 69                   | 52                   | 39                                                           | 35                                                         | 64                                      |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>P.FLEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/3LVL<br>TEMP<br>DEG.C | 5-29<br>GEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|
| 235                   | 70                   | 13                   | 38                                                           | 35                                                        | 64                                     |
| 236                   | 70                   | 34                   | 38                                                           | 35                                                        | 63                                     |
| 237                   | 70                   | 55                   | 34                                                           | 35                                                        | 63                                     |
| 238                   | 71                   | 16                   | 34                                                           | 35                                                        | 64                                     |
| 239                   | 71                   | 37                   | 34                                                           | 35                                                        | 65                                     |
| 240                   | 71                   | 58                   | 37                                                           | 35                                                        | 63                                     |
| 241                   | 72                   | 19                   | 37                                                           | 35                                                        | 62                                     |
| 242                   | 72                   | 40                   | 38                                                           | 35                                                        | 64                                     |
| 243                   | 73                   | 1                    | 38                                                           | 35                                                        | 64                                     |
| 244                   | 73                   | 22                   | 38                                                           | 36                                                        | 63                                     |
| 245                   | 73                   | 43                   | 37                                                           | 35                                                        | 63                                     |
| 246                   | 74                   | 4                    | 38                                                           | 35                                                        | 63                                     |
| 247                   | 74                   | 25                   | 38                                                           | 35                                                        | 62                                     |
| 248                   | 74                   | 46                   | 38                                                           | 35                                                        | 63                                     |
| 249                   | 75                   | 7                    | 38                                                           | 35                                                        | 63                                     |
| 250                   | 75                   | 28                   | 38                                                           | 35                                                        | 63                                     |
| 251                   | 75                   | 49                   | 38                                                           | 35                                                        | 62                                     |
| 252                   | 76                   | 10                   | 38                                                           | 35                                                        | 62                                     |
| 253                   | 76                   | 32                   | 39                                                           | 35                                                        | 62                                     |
| 254                   | 76                   | 53                   | 34                                                           | 36                                                        | 62                                     |
| 255                   | 77                   | 14                   | 34                                                           | 36                                                        | 62                                     |
| 256                   | 77                   | 35                   | 34                                                           | 36                                                        | 62                                     |
| 257                   | 77                   | 56                   | 34                                                           | 36                                                        | 62                                     |
| 258                   | 78                   | 17                   | 34                                                           | 36                                                        | 62                                     |
| 259                   | 78                   | 38                   | 34                                                           | 36                                                        | 62                                     |
| 260                   | 78                   | 59                   | 34                                                           | 36                                                        | 62                                     |
| 261                   | 79                   | 21                   | 34                                                           | 36                                                        | 62                                     |
| 262                   | 79                   | 42                   | 34                                                           | 36                                                        | 62                                     |
| 263                   | 80                   | 3                    | 34                                                           | 36                                                        | 62                                     |
| 264                   | 80                   | 24                   | 34                                                           | 36                                                        | 62                                     |
| 265                   | 80                   | 45                   | 34                                                           | 36                                                        | 61                                     |
| 266                   | 81                   | 6                    | 34                                                           | 36                                                        | 62                                     |
| 267                   | 81                   | 27                   | 39                                                           | 36                                                        | 62                                     |
| 268                   | 81                   | 49                   | 34                                                           | 36                                                        | 62                                     |
| 269                   | 82                   | 10                   | 34                                                           | 37                                                        | 64                                     |
| 270                   | 82                   | 31                   | 34                                                           | 37                                                        | 64                                     |
| 271                   | 82                   | 52                   | 40                                                           | 38                                                        | 65                                     |
| 272                   | 83                   | 13                   | 40                                                           | 38                                                        | 66                                     |
| 273                   | 83                   | 34                   | 40                                                           | 38                                                        | 66                                     |
| 274                   | 83                   | 55                   | 40                                                           | 39                                                        | 67                                     |
| 275                   | 84                   | 16                   | 41                                                           | 38                                                        | 64                                     |
| 276                   | 84                   | 37                   | 41                                                           | 38                                                        | 67                                     |
| 277                   | 84                   | 58                   | 41                                                           | 39                                                        | 68                                     |
| 278                   | 85                   | 19                   | 40                                                           | 38                                                        | 69                                     |
| 279                   | 85                   | 40                   | 40                                                           | 39                                                        | 69                                     |
| 280                   | 86                   | 1                    | 39                                                           | 37                                                        | 68                                     |
| 281                   | 86                   | 22                   | 38                                                           | 37                                                        | 68                                     |
| 282                   | 86                   | 43                   | 38                                                           | 37                                                        | 67                                     |
| 283                   | 87                   | 4                    | 38                                                           | 36                                                        | 67                                     |
| 284                   | 87                   | 25                   | 38                                                           | 37                                                        | 68                                     |

| -01<br>SHEEP<br>COUNT | J-D2<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELFC<br>COMPT<br>RIGHT<br>FWDLR<br>TEMP<br>DEG.C | 5-28<br>L.HAIN<br>FUEL<br>CELL<br>TEMP<br>DEG.C | 5-29<br>SEN.2<br>WASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-------------------------------------------------|----------------------------------------|
| 285                   | 67                   | 45                   | 30                                                         | 37                                              | 66                                     |
| 286                   | 68                   | 0                    | 30                                                         | 37                                              | 66                                     |
| 287                   | 68                   | 29                   | 30                                                         | 36                                              | 66                                     |
| 288                   | 68                   | 50                   | 30                                                         | 37                                              | 65                                     |
| 289                   | 69                   | 11                   | 30                                                         | 37                                              | 65                                     |
| 290                   | 69                   | 32                   | 30                                                         | 37                                              | 65                                     |
| 291                   | 69                   | 53                   | 30                                                         | 37                                              | 65                                     |
| 292                   | 90                   | 15                   | 30                                                         | 38                                              | 65                                     |
| 293                   | 90                   | 36                   | 30                                                         | 38                                              | 65                                     |
| 294                   | 90                   | 57                   | 30                                                         | 38                                              | 65                                     |
| 295                   | 91                   | 18                   | 30                                                         | 37                                              | 65                                     |
| 296                   | 91                   | 39                   | 30                                                         | 38                                              | 65                                     |
| 297                   | 92                   | 0                    | 30                                                         | 38                                              | 65                                     |
| 298                   | 92                   | 21                   | 30                                                         | 38                                              | 65                                     |
| 299                   | 92                   | 43                   | 30                                                         | 38                                              | 64                                     |
| 300                   | 93                   | 4                    | 30                                                         | 37                                              | 65                                     |
| 301                   | 93                   | 25                   | 30                                                         | 38                                              | 64                                     |
| 302                   | 93                   | 46                   | 30                                                         | 38                                              | 64                                     |
| 303                   | 94                   | 7                    | 30                                                         | 38                                              | 64                                     |
| 304                   | 94                   | 28                   | 30                                                         | 38                                              | 64                                     |
| 305                   | 95                   | 49                   | 30                                                         | 38                                              | 64                                     |
| 306                   | 95                   | 10                   | 30                                                         | 38                                              | 64                                     |
| 307                   | 95                   | 32                   | 30                                                         | 38                                              | 63                                     |
| 308                   | 95                   | 53                   | 30                                                         | 38                                              | 63                                     |
| 309                   | 96                   | 14                   | 30                                                         | 38                                              | 64                                     |
| 310                   | 96                   | 35                   | 30                                                         | 38                                              | 63                                     |
| 311                   | 96                   | 56                   | 30                                                         | 38                                              | 63                                     |
| 312                   | 97                   | 17                   | 30                                                         | 38                                              | 63                                     |
| 313                   | 97                   | 39                   | 30                                                         | 38                                              | 63                                     |
| 314                   | 98                   | 0                    | 30                                                         | 39                                              | 65                                     |
| 315                   | 98                   | 21                   | 30                                                         | 39                                              | 65                                     |
| 316                   | 98                   | 42                   | 30                                                         | 38                                              | 66                                     |
| 317                   | 99                   | 3                    | 30                                                         | 39                                              | 66                                     |
| 318                   | 99                   | 24                   | 30                                                         | 39                                              | 68                                     |
| 319                   | 99                   | 45                   | 30                                                         | 38                                              | 70                                     |
| 320                   | 100                  | 6                    | 30                                                         | 39                                              | 63                                     |
| 321                   | 100                  | 27                   | 30                                                         | 39                                              | 70                                     |
| 322                   | 100                  | 48                   | 30                                                         | 39                                              | 70                                     |
| 323                   | 101                  | 9                    | 30                                                         | 39                                              | 70                                     |
| 324                   | 101                  | 30                   | 30                                                         | 39                                              | 71                                     |
| 325                   | 101                  | 51                   | 30                                                         | 39                                              | 71                                     |
| 326                   | 102                  | 12                   | 30                                                         | 38                                              | 71                                     |
| 327                   | 102                  | 33                   | 30                                                         | 38                                              | 69                                     |
| 328                   | 102                  | 54                   | 30                                                         | 38                                              | 69                                     |
| 329                   | 103                  | 15                   | 30                                                         | 38                                              | 63                                     |
| 330                   | 103                  | 36                   | 30                                                         | 38                                              | 63                                     |
| 331                   | 103                  | 57                   | 30                                                         | 38                                              | 68                                     |
| 332                   | 104                  | 18                   | 30                                                         | 38                                              | 68                                     |
| 333                   | 104                  | 39                   | 30                                                         | 38                                              | 67                                     |
| 334                   | 105                  | 1                    | 30                                                         | 38                                              | 67                                     |

| -01<br>SWEET<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/31VL<br>TEMP<br>DEG.C | 5-29<br>SEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|
| 335                   | 105                  | 22                   | 40                                                           | 39                                                        | 66                                     |
| 336                   | 105                  | 43                   | 43                                                           | 39                                                        | 67                                     |
| 337                   | 106                  | 5                    | 41                                                           | 39                                                        | 66                                     |
| 338                   | 106                  | 26                   | 41                                                           | 39                                                        | 67                                     |
| 339                   | 106                  | 47                   | 40                                                           | 39                                                        | 67                                     |
| 340                   | 107                  | 8                    | 43                                                           | 40                                                        | 66                                     |
| 341                   | 107                  | 29                   | 45                                                           | 41                                                        | 65                                     |
| 342                   | 107                  | 50                   | 41                                                           | 39                                                        | 65                                     |
| 343                   | 108                  | 12                   | 40                                                           | 39                                                        | 67                                     |
| 344                   | 108                  | 33                   | 39                                                           | 39                                                        | 65                                     |
| 345                   | 108                  | 54                   | 39                                                           | 40                                                        | 66                                     |
| 346                   | 109                  | 15                   | 39                                                           | 40                                                        | 66                                     |
| 347                   | 109                  | 36                   | 39                                                           | 40                                                        | 66                                     |
| 348                   | 109                  | 58                   | 41                                                           | 40                                                        | 66                                     |
| 349                   | 110                  | 19                   | 44                                                           | 40                                                        | 64                                     |
| 350                   | 110                  | 40                   | 41                                                           | 40                                                        | 66                                     |
| 351                   | 111                  | 1                    | 42                                                           | 40                                                        | 66                                     |
| 352                   | 111                  | 22                   | 42                                                           | 41                                                        | 66                                     |
| 353                   | 111                  | 43                   | 41                                                           | 41                                                        | 67                                     |
| 354                   | 112                  | 4                    | 41                                                           | 41                                                        | 67                                     |
| 355                   | 112                  | 25                   | 41                                                           | 42                                                        | 68                                     |
| 356                   | 112                  | 46                   | 41                                                           | 41                                                        | 68                                     |
| 357                   | 113                  | 7                    | 44                                                           | 41                                                        | 68                                     |
| 358                   | 113                  | 28                   | 45                                                           | 42                                                        | 69                                     |
| 359                   | 113                  | 49                   | 45                                                           | 42                                                        | 69                                     |
| 360                   | 114                  | 10                   | 45                                                           | 42                                                        | 69                                     |
| 361                   | 114                  | 31                   | 45                                                           | 41                                                        | 71                                     |
| 362                   | 114                  | 52                   | 46                                                           | 42                                                        | 71                                     |
| 363                   | 115                  | 13                   | 44                                                           | 41                                                        | 70                                     |
| 364                   | 115                  | 35                   | 44                                                           | 41                                                        | 71                                     |
| 365                   | 115                  | 56                   | 43                                                           | 42                                                        | 71                                     |
| 366                   | 116                  | 18                   | 43                                                           | 41                                                        | 72                                     |
| 367                   | 116                  | 39                   | 43                                                           | 42                                                        | 72                                     |
| 368                   | 119                  | 14                   | 42                                                           | 41                                                        | 69                                     |
| 369                   | 119                  | 48                   | 41                                                           | 41                                                        | 67                                     |
| 370                   | 120                  | 10                   | 42                                                           | 41                                                        | 67                                     |
| 371                   | 120                  | 31                   | 42                                                           | 42                                                        | 66                                     |
| 372                   | 120                  | 53                   | 42                                                           | 41                                                        | 67                                     |
| 373                   | 121                  | 15                   | 42                                                           | 41                                                        | 68                                     |
| 374                   | 121                  | 36                   | 42                                                           | 42                                                        | 68                                     |
| 375                   | 123                  | 17                   | 43                                                           | 42                                                        | 69                                     |
| 376                   | 123                  | 39                   | 42                                                           | 41                                                        | 70                                     |
| 377                   | 124                  | 1                    | 42                                                           | 42                                                        | 71                                     |
| 378                   | 124                  | 22                   | 42                                                           | 42                                                        | 72                                     |
| 379                   | 124                  | 44                   | 42                                                           | 42                                                        | 72                                     |
| 380                   | 128                  | 23                   | 42                                                           | 41                                                        | 73                                     |
| 381                   | 129                  | 47                   | 42                                                           | 41                                                        | 73                                     |
| 382                   | 130                  | 9                    | 42                                                           | 41                                                        | 73                                     |
| 383                   | 130                  | 30                   | 42                                                           | 42                                                        | 72                                     |
| 384                   | 130                  | 52                   | 42                                                           | 41                                                        | 72                                     |

|                       |                      |                      |                                                               |                                                            |                                         |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------|
| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG. C | 5-28<br>L-MAIN<br>FUEL<br>CELL<br>1/3LVL<br>TEMP<br>DEG. C | 5-29<br>GEN-2<br>HASS<br>TEMP<br>DEG. C |
| 385                   | 131                  | 13                   | 42                                                            | 41                                                         | 72                                      |
| 386                   | 139                  | 54                   | 43                                                            | 38                                                         | 71                                      |
| 387                   | 148                  | 16                   | 44                                                            | 38                                                         | 71                                      |
| 388                   | 140                  | 37                   | 43                                                            | 38                                                         | 71                                      |
| 389                   | 140                  | 59                   | 44                                                            | 38                                                         | 71                                      |
| 390                   | 141                  | 21                   | 43                                                            | 38                                                         | 71                                      |
| 391                   | 148                  | 58                   | 45                                                            | 38                                                         | 69                                      |
| 392                   | 149                  | 28                   | 44                                                            | 38                                                         | 69                                      |
| 393                   | 149                  | 42                   | 43                                                            | 38                                                         | 68                                      |
| 394                   | 150                  | 3                    | 44                                                            | 38                                                         | 69                                      |
| 395                   | 150                  | 25                   | 44                                                            | 38                                                         | 68                                      |
| 396                   | 150                  | 47                   | 43                                                            | 38                                                         | 68                                      |

MM-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 39                    | 1                    | 14                   | 39                                                        | 42                                             | 40                                                       | 48                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 40                    | 1                    | 57                   | 40                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 41                    | 2                    | 19                   | 40                                                        | 42                                             | 39                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 42                    | 2                    | 40                   | 40                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 43                    | 3                    | 1                    | 40                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 44                    | 3                    | 23                   | 40                                                        | 42                                             | 39                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 45                    | 3                    | 44                   | 39                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 46                    | 3                    | 44                   | 40                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 47                    | 4                    | 6                    | 40                                                        | 42                                             | 39                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 48                    | 4                    | 27                   | 40                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 49                    | 4                    | 49                   | 40                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 50                    | 5                    | 10                   | 39                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 51                    | 5                    | 31                   | 39                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 52                    | 5                    | 53                   | 40                                                        | 42                                             | 39                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 53                    | 5                    | 53                   | 39                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 54                    | 6                    | 36                   | 40                                                        | 42                                             | 40                                                       | 40                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 55                    | 6                    | 57                   | 40                                                        | 42                                             | 41                                                       | 41                                                       | 46                                                       | 45                                                       | 39                                                      | 38                                                      | 38                                                      | 38                                                      |
| 56                    | 7                    | 19                   | 41                                                        | 42                                             | 41                                                       | 41                                                       | 46                                                       | 45                                                       | 40                                                      | 39                                                      | 39                                                      | 39                                                      |
| 57                    | 7                    | 40                   | 41                                                        | 43                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 40                                                      | 39                                                      | 39                                                      | 39                                                      |
| 58                    | 8                    | 1                    | 41                                                        | 43                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 59                    | 8                    | 22                   | 41                                                        | 43                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 60                    | 8                    | 43                   | 41                                                        | 43                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 61                    | 9                    | 4                    | 41                                                        | 43                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 62                    | 9                    | 25                   | 41                                                        | 43                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 63                    | 9                    | 47                   | 41                                                        | 43                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 64                    | 10                   | 8                    | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 65                    | 10                   | 29                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 66                    | 10                   | 50                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 67                    | 11                   | 12                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 68                    | 11                   | 12                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 69                    | 11                   | 53                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 70                    | 12                   | 14                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 71                    | 12                   | 36                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 72                    | 12                   | 57                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 73                    | 13                   | 18                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 74                    | 13                   | 39                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 75                    | 14                   | 0                    | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 76                    | 14                   | 21                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 77                    | 14                   | 43                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 78                    | 15                   | 6                    | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 79                    | 15                   | 25                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 80                    | 15                   | 46                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 81                    | 16                   | 7                    | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 82                    | 16                   | 28                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |
| 83                    | 16                   | 49                   | 41                                                        | 44                                             | 41                                                       | 41                                                       | 47                                                       | 46                                                       | 41                                                      | 40                                                      | 39                                                      | 39                                                      |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>WNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>WNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>WNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>ISOL.<br>WNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| 84                    | 17                   | 18                   | 41                                                        | 43                                             | 41                                                       | 41                                                        | 48                                                       | 48                                                | 41                                              | 40                                              | 39                                              | 39                                              |
| 85                    | 17                   | 32                   | 41                                                        | 42                                             | 41                                                       | 41                                                        | 48                                                       | 48                                                | 40                                              | 40                                              | 39                                              | 39                                              |
| 86                    | 17                   | 53                   | 41                                                        | 44                                             | 41                                                       | 42                                                        | 48                                                       | 48                                                | 41                                              | 40                                              | 40                                              | 40                                              |
| 87                    | 18                   | 14                   | 42                                                        | 44                                             | 41                                                       | 41                                                        | 48                                                       | 49                                                | 41                                              | 40                                              | 40                                              | 40                                              |
| 88                    | 18                   | 35                   | 41                                                        | 44                                             | 41                                                       | 42                                                        | 48                                                       | 49                                                | 41                                              | 40                                              | 40                                              | 40                                              |
| 89                    | 18                   | 56                   | 41                                                        | 44                                             | 41                                                       | 42                                                        | 48                                                       | 50                                                | 40                                              | 40                                              | 40                                              | 40                                              |
| 90                    | 19                   | 17                   | 40                                                        | 42                                             | 40                                                       | 42                                                        | 49                                                       | 49                                                | 40                                              | 40                                              | 39                                              | 39                                              |
| 91                    | 19                   | 38                   | 42                                                        | 44                                             | 41                                                       | 41                                                        | 49                                                       | 49                                                | 41                                              | 40                                              | 40                                              | 40                                              |
| 92                    | 19                   | 59                   | 42                                                        | 44                                             | 41                                                       | 41                                                        | 49                                                       | 51                                                | 41                                              | 40                                              | 40                                              | 40                                              |
| 93                    | 20                   | 21                   | 42                                                        | 43                                             | 41                                                       | 41                                                        | 49                                                       | 51                                                | 41                                              | 40                                              | 40                                              | 40                                              |
| 94                    | 20                   | 42                   | 47                                                        | 43                                             | 41                                                       | 41                                                        | 49                                                       | 52                                                | 41                                              | 40                                              | 40                                              | 40                                              |
| 95                    | 21                   | 3                    | 49                                                        | 44                                             | 41                                                       | 41                                                        | 49                                                       | 52                                                | 40                                              | 40                                              | 40                                              | 39                                              |
| 96                    | 21                   | 23                   | 42                                                        | 44                                             | 41                                                       | 41                                                        | 49                                                       | 52                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 97                    | 21                   | 44                   | 40                                                        | 44                                             | 41                                                       | 41                                                        | 49                                                       | 52                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 98                    | 22                   | 5                    | 39                                                        | 44                                             | 41                                                       | 42                                                        | 49                                                       | 52                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 99                    | 22                   | 47                   | 37                                                        | 46                                             | 41                                                       | 41                                                        | 49                                                       | 53                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 100                   | 22                   | 8                    | 37                                                        | 47                                             | 41                                                       | 42                                                        | 50                                                       | 53                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 101                   | 23                   | *                    | 37                                                        | 47                                             | 42                                                       | 42                                                        | 50                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 102                   | 23                   | 50                   | 36                                                        | 48                                             | 42                                                       | 42                                                        | 50                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 103                   | 23                   | 11                   | 36                                                        | 49                                             | 42                                                       | 42                                                        | 50                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 104                   | 24                   | *                    | 36                                                        | 50                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 105                   | 24                   | 53                   | 36                                                        | 52                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 106                   | 25                   | 14                   | 36                                                        | 53                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 107                   | 25                   | *                    | 36                                                        | 54                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 108                   | 25                   | 56                   | 36                                                        | 55                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 109                   | 26                   | 17                   | 37                                                        | 57                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 110                   | 26                   | *                    | 37                                                        | 58                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 111                   | 26                   | 59                   | 38                                                        | 59                                             | 42                                                       | 43                                                        | 49                                                       | 54                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 112                   | 27                   | 20                   | 38                                                        | 61                                             | 42                                                       | 44                                                        | 51                                                       | 56                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 113                   | 27                   | 41                   | 38                                                        | 61                                             | 43                                                       | 44                                                        | 51                                                       | 56                                                | 39                                              | 39                                              | 39                                              | 39                                              |
| 114                   | 28                   | 2                    | 38                                                        | 63                                             | 43                                                       | 45                                                        | 51                                                       | 57                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 115                   | 28                   | 23                   | 34                                                        | 64                                             | 43                                                       | 45                                                        | 51                                                       | 58                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 116                   | 28                   | 45                   | 34                                                        | 65                                             | 44                                                       | 45                                                        | 52                                                       | 58                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 117                   | 29                   | 6                    | 34                                                        | 66                                             | 44                                                       | 45                                                        | 52                                                       | 59                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 118                   | 29                   | 27                   | 34                                                        | 68                                             | 45                                                       | 45                                                        | 52                                                       | 59                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 119                   | 29                   | 40                   | 34                                                        | 69                                             | 45                                                       | 45                                                        | 53                                                       | 60                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 120                   | 30                   | 9                    | 35                                                        | 71                                             | 45                                                       | 45                                                        | 53                                                       | 62                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 121                   | 30                   | 30                   | 35                                                        | 72                                             | 45                                                       | 46                                                        | 53                                                       | 63                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 122                   | 30                   | 51                   | 35                                                        | 73                                             | 45                                                       | 46                                                        | 53                                                       | 64                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 123                   | 31                   | 9                    | 35                                                        | 76                                             | 45                                                       | 46                                                        | 53                                                       | 64                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 124                   | 31                   | 34                   | 35                                                        | 78                                             | 45                                                       | 46                                                        | 53                                                       | 66                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 125                   | 31                   | 55                   | 35                                                        | 79                                             | 45                                                       | 46                                                        | 53                                                       | 66                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 126                   | 32                   | 16                   | 36                                                        | 81                                             | 45                                                       | 46                                                        | 53                                                       | 66                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 127                   | 32                   | 37                   | 36                                                        | 83                                             | 46                                                       | 46                                                        | 54                                                       | 68                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 128                   | 32                   | 58                   | 34                                                        | 85                                             | 47                                                       | 46                                                        | 54                                                       | 69                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 129                   | 33                   | 19                   | 35                                                        | 86                                             | 46                                                       | 46                                                        | 54                                                       | 70                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 130                   | 33                   | 41                   | 35                                                        | 88                                             | 47                                                       | 46                                                        | 54                                                       | 70                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 131                   | 33                   | 2                    | 36                                                        | 89                                             | 47                                                       | 46                                                        | 54                                                       | 71                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 132                   | 34                   | 23                   | 35                                                        | 91                                             | 47                                                       | 47                                                        | 55                                                       | 72                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 133                   | 34                   | 44                   | 34                                                        | 92                                             | 48                                                       | 48                                                        | 55                                                       | 72                                                | 41                                              | 44                                              | 43                                              | 46                                              |
| 134                   | 34                   |                      | 34                                                        | 92                                             | 48                                                       | 48                                                        | 55                                                       | 72                                                | 41                                              | 44                                              | 43                                              | 46                                              |



| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 135                   | 35                   | 5                    | 35                                                        | 94                                             | 48                                                       | 48                                                        | 56                                                       | 73                                                        | 44                                                      | 45                                                      | 46                                                      | 45                                                      |
| 136                   | 35                   | 26                   | 35                                                        | 96                                             | 48                                                       | 48                                                        | 57                                                       | 74                                                        | 45                                                      | 45                                                      | 45                                                      | 44                                                      |
| 137                   | 35                   | *                    | 35                                                        | 96                                             | 48                                                       | 48                                                        | 57                                                       | 74                                                        | 48                                                      | 48                                                      | 46                                                      | 46                                                      |
| 138                   | 36                   | 9                    | 35                                                        | 99                                             | 49                                                       | 48                                                        | 58                                                       | 76                                                        | 46                                                      | 48                                                      | 46                                                      | 46                                                      |
| 139                   | 36                   | 30                   | 35                                                        | 101                                            | 49                                                       | 49                                                        | 59                                                       | 76                                                        | 46                                                      | 47                                                      | 46                                                      | 46                                                      |
| 140                   | 36                   | 51                   | 35                                                        | 101                                            | 49                                                       | 49                                                        | 59                                                       | 77                                                        | 44                                                      | 45                                                      | 44                                                      | 44                                                      |
| 141                   | 37                   | 12                   | 35                                                        | 103                                            | 49                                                       | 51                                                        | 59                                                       | 78                                                        | 44                                                      | 45                                                      | 45                                                      | 44                                                      |
| 142                   | 37                   | 33                   | 35                                                        | 105                                            | 49                                                       | 50                                                        | 59                                                       | 78                                                        | 44                                                      | 44                                                      | 44                                                      | 42                                                      |
| 143                   | 37                   | 33                   | 35                                                        | 105                                            | 50                                                       | 49                                                        | 59                                                       | 79                                                        | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 144                   | 38                   | 16                   | *                                                         | *                                              | *                                                        | 50                                                        | 59                                                       | 78                                                        | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 145                   | 38                   | 37                   | 35                                                        | 107                                            | 51                                                       | 50                                                        | 59                                                       | 79                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 146                   | 38                   | 58                   | 35                                                        | 108                                            | 51                                                       | 51                                                        | 60                                                       | 79                                                        | 41                                                      | 41                                                      | 41                                                      | 40                                                      |
| 147                   | 39                   | 19                   | 35                                                        | 108                                            | 51                                                       | 50                                                        | 59                                                       | 79                                                        | 41                                                      | 41                                                      | 42                                                      | 40                                                      |
| 148                   | 39                   | 40                   | 36                                                        | 109                                            | 51                                                       | 51                                                        | 60                                                       | 79                                                        | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 149                   | 40                   | 1                    | 36                                                        | 109                                            | 51                                                       | 51                                                        | 60                                                       | 79                                                        | 41                                                      | 41                                                      | 44                                                      | 42                                                      |
| 150                   | 40                   | 22                   | 35                                                        | 109                                            | 52                                                       | 51                                                        | 59                                                       | 79                                                        | 41                                                      | 42                                                      | 42                                                      | 41                                                      |
| 151                   | 40                   | 43                   | 35                                                        | 109                                            | 52                                                       | 51                                                        | 59                                                       | 79                                                        | 40                                                      | 41                                                      | 43                                                      | 41                                                      |
| 152                   | 41                   | 4                    | 35                                                        | 109                                            | 52                                                       | 51                                                        | 59                                                       | 79                                                        | 41                                                      | 40                                                      | 42                                                      | 41                                                      |
| 153                   | 41                   | 26                   | 36                                                        | 111                                            | 52                                                       | 51                                                        | 59                                                       | 79                                                        | 41                                                      | 41                                                      | 43                                                      | 42                                                      |
| 154                   | 41                   | 47                   | 36                                                        | 111                                            | 53                                                       | 51                                                        | 59                                                       | 80                                                        | 41                                                      | 41                                                      | 43                                                      | 41                                                      |
| 155                   | 42                   | 8                    | 36                                                        | 111                                            | 53                                                       | 51                                                        | 59                                                       | 80                                                        | 40                                                      | 39                                                      | 44                                                      | 41                                                      |
| 156                   | 42                   | 29                   | 36                                                        | 111                                            | 52                                                       | 52                                                        | 59                                                       | 81                                                        | 40                                                      | 39                                                      | 44                                                      | 40                                                      |
| 157                   | 42                   | 50                   | 35                                                        | 113                                            | 52                                                       | 52                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 158                   | 43                   | 11                   | 36                                                        | 112                                            | 53                                                       | 52                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 43                                                      | 41                                                      |
| 159                   | 43                   | 32                   | 36                                                        | 112                                            | 53                                                       | 52                                                        | 59                                                       | 80                                                        | 41                                                      | 41                                                      | 42                                                      | 41                                                      |
| 160                   | 43                   | 53                   | 36                                                        | 112                                            | 54                                                       | 52                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 42                                                      | 41                                                      |
| 161                   | 44                   | 14                   | 36                                                        | 112                                            | 54                                                       | 52                                                        | 59                                                       | 81                                                        | 42                                                      | 42                                                      | 44                                                      | 41                                                      |
| 162                   | 44                   | 35                   | 36                                                        | 114                                            | 54                                                       | 52                                                        | 59                                                       | 81                                                        | 43                                                      | 44                                                      | 44                                                      | 43                                                      |
| 163                   | 44                   | 57                   | 36                                                        | 114                                            | 54                                                       | 52                                                        | 59                                                       | 81                                                        | 43                                                      | 44                                                      | 43                                                      | 42                                                      |
| 164                   | 45                   | 16                   | 35                                                        | 113                                            | 54                                                       | 52                                                        | 59                                                       | 81                                                        | 44                                                      | 44                                                      | 44                                                      | 41                                                      |
| 165                   | 45                   | 39                   | 35                                                        | 113                                            | 54                                                       | 52                                                        | 59                                                       | 81                                                        | 42                                                      | 44                                                      | 44                                                      | 42                                                      |
| 166                   | 46                   | 6                    | 36                                                        | 113                                            | 54                                                       | 52                                                        | 59                                                       | 82                                                        | 43                                                      | 42                                                      | 42                                                      | 42                                                      |
| 167                   | 46                   | 21                   | 35                                                        | 114                                            | 54                                                       | 52                                                        | 59                                                       | 81                                                        | 41                                                      | 42                                                      | 42                                                      | 41                                                      |
| 168                   | 46                   | 42                   | 36                                                        | 115                                            | 55                                                       | 52                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 42                                                      | 41                                                      |
| 169                   | 47                   | 3                    | 35                                                        | 115                                            | 55                                                       | 52                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 170                   | 47                   | 24                   | 36                                                        | 115                                            | 55                                                       | 53                                                        | 59                                                       | 81                                                        | 40                                                      | 41                                                      | 40                                                      | 41                                                      |
| 171                   | 47                   | 46                   | 36                                                        | 115                                            | 55                                                       | 54                                                        | 59                                                       | 81                                                        | 39                                                      | 40                                                      | 41                                                      | 39                                                      |
| 172                   | 48                   | 7                    | 36                                                        | 115                                            | 55                                                       | 53                                                        | 59                                                       | 80                                                        | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 173                   | 48                   | 28                   | 36                                                        | 116                                            | 55                                                       | 53                                                        | 59                                                       | 80                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 174                   | 48                   | 49                   | 36                                                        | 116                                            | 55                                                       | 53                                                        | 59                                                       | 81                                                        | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 175                   | 49                   | 10                   | 36                                                        | 116                                            | 55                                                       | 54                                                        | 60                                                       | 81                                                        | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 176                   | 49                   | 21                   | 36                                                        | 116                                            | 55                                                       | 54                                                        | 60                                                       | 81                                                        | 38                                                      | 38                                                      | 40                                                      | 39                                                      |
| 177                   | 49                   | 52                   | 36                                                        | 116                                            | 56                                                       | 54                                                        | 59                                                       | 81                                                        | 39                                                      | 39                                                      | 38                                                      | 39                                                      |
| 178                   | 50                   | 13                   | 36                                                        | 116                                            | 56                                                       | 54                                                        | 59                                                       | 81                                                        | 39                                                      | 38                                                      | 38                                                      | 39                                                      |
| 179                   | 50                   | 34                   | 36                                                        | 116                                            | 56                                                       | 54                                                        | 59                                                       | 81                                                        | 38                                                      | 39                                                      | 40                                                      | 39                                                      |
| 180                   | 50                   | 56                   | 36                                                        | 116                                            | 55                                                       | 54                                                        | 59                                                       | 81                                                        | 38                                                      | 39                                                      | 39                                                      | 39                                                      |
| 181                   | 51                   | 17                   | 36                                                        | 116                                            | 56                                                       | 55                                                        | 59                                                       | 81                                                        | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 182                   | 51                   | 38                   | 36                                                        | 116                                            | 56                                                       | 55                                                        | 59                                                       | 81                                                        | 38                                                      | 38                                                      | 39                                                      | 40                                                      |
| 183                   | 51                   | 59                   | 36                                                        | 116                                            | 56                                                       | 55                                                        | 59                                                       | 81                                                        | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 184                   | 52                   | 20                   | 36                                                        | 116                                            | 57                                                       | 55                                                        | 59                                                       | 81                                                        | 38                                                      | 39                                                      | 39                                                      | 40                                                      |

| -91<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 185                   | 52                   | 41                   | 36                                                        | 116                                            | 57                                                       | 55                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 39                                                      | 40                                                      |
| 186                   | 53                   | 2                    | 36                                                        | 115                                            | 57                                                       | 55                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 187                   | 53                   | 23                   | 36                                                        | 115                                            | 57                                                       | 55                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 188                   | 53                   | 44                   | 36                                                        | 116                                            | 58                                                       | 56                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 39                                                      | 40                                                      |
| 189                   | 54                   | 5                    | 36                                                        | 116                                            | 58                                                       | 56                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 190                   | 54                   | 27                   | 36                                                        | 115                                            | 58                                                       | 55                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 191                   | 54                   | 48                   | 36                                                        | 115                                            | 58                                                       | 55                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 192                   | 55                   | 30                   | 36                                                        | 115                                            | 58                                                       | 55                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 193                   | 55                   | 30                   | 36                                                        | 115                                            | 58                                                       | 55                                                       | 59                                                       | 81                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 194                   | 55                   | 51                   | 36                                                        | 115                                            | 59                                                       | 55                                                       | 60                                                       | 81                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 195                   | 56                   | 12                   | 36                                                        | 115                                            | 58                                                       | 56                                                       | 59                                                       | 80                                                       | 38                                                      | 38                                                      | 40                                                      | 39                                                      |
| 196                   | 56                   | 33                   | 36                                                        | 115                                            | 58                                                       | 56                                                       | 59                                                       | 80                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 197                   | 56                   | 54                   | 35                                                        | 114                                            | 58                                                       | 56                                                       | 59                                                       | 79                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 198                   | 57                   | 15                   | 35                                                        | 113                                            | 58                                                       | 55                                                       | 58                                                       | 79                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 199                   | 57                   | 36                   | 36                                                        | 114                                            | 58                                                       | 56                                                       | 59                                                       | 80                                                       | 39                                                      | 38                                                      | 38                                                      | 39                                                      |
| 200                   | 57                   | 57                   | 37                                                        | 114                                            | 58                                                       | 55                                                       | 59                                                       | 80                                                       | 39                                                      | 38                                                      | 38                                                      | 39                                                      |
| 201                   | 58                   | 14                   | 37                                                        | 113                                            | 57                                                       | 55                                                       | 59                                                       | 78                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 202                   | 58                   | 39                   | 38                                                        | 114                                            | 58                                                       | 55                                                       | 58                                                       | 77                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 203                   | 59                   | 0                    | 38                                                        | 113                                            | 57                                                       | 55                                                       | 58                                                       | 77                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 204                   | 59                   | 21                   | 38                                                        | 113                                            | 57                                                       | 55                                                       | 58                                                       | 76                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 205                   | 59                   | 42                   | 38                                                        | 112                                            | 57                                                       | 55                                                       | 58                                                       | 76                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 206                   | 60                   | 3                    | 38                                                        | 112                                            | 57                                                       | 55                                                       | 58                                                       | 75                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 207                   | 60                   | 25                   | 36                                                        | 110                                            | 57                                                       | 55                                                       | 58                                                       | 74                                                       | 39                                                      | 39                                                      | 39                                                      | 38                                                      |
| 208                   | 60                   | 46                   | 36                                                        | 110                                            | 58                                                       | 55                                                       | 58                                                       | 74                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 209                   | 61                   | 7                    | 36                                                        | 110                                            | 57                                                       | 55                                                       | 58                                                       | 75                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 210                   | 61                   | 28                   | 36                                                        | 110                                            | 58                                                       | 55                                                       | 59                                                       | 75                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 211                   | 61                   | 49                   | 36                                                        | 110                                            | 58                                                       | 55                                                       | 59                                                       | 75                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 212                   | 62                   | 10                   | 36                                                        | 109                                            | 58                                                       | 55                                                       | 58                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 213                   | 62                   | 31                   | 36                                                        | 109                                            | 58                                                       | 55                                                       | 58                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 214                   | 62                   | 52                   | 36                                                        | 110                                            | 58                                                       | 55                                                       | 59                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 215                   | 63                   | 13                   | 36                                                        | 109                                            | 58                                                       | 56                                                       | 59                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 216                   | 63                   | 34                   | 36                                                        | 110                                            | 58                                                       | 56                                                       | 59                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 217                   | 63                   | 56                   | 36                                                        | 110                                            | 58                                                       | 55                                                       | 58                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 218                   | 64                   | 17                   | 36                                                        | 112                                            | 58                                                       | 55                                                       | 59                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 219                   | 64                   | 38                   | 37                                                        | 111                                            | 58                                                       | 56                                                       | 58                                                       | 78                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 220                   | 64                   | 59                   | 37                                                        | 111                                            | 58                                                       | 55                                                       | 59                                                       | 78                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 221                   | 65                   | 20                   | 37                                                        | 111                                            | 58                                                       | 55                                                       | 59                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 222                   | 65                   | 41                   | 36                                                        | 112                                            | 58                                                       | 55                                                       | 59                                                       | 78                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 223                   | 66                   | 2                    | 36                                                        | 112                                            | 59                                                       | 55                                                       | 58                                                       | 78                                                       | 38                                                      | 37                                                      | 39                                                      | 39                                                      |
| 224                   | 66                   | 23                   | 36                                                        | 113                                            | 59                                                       | 56                                                       | 58                                                       | 78                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 225                   | 66                   | 44                   | 36                                                        | 113                                            | 59                                                       | 56                                                       | 58                                                       | 78                                                       | 37                                                      | 38                                                      | 39                                                      | 38                                                      |
| 226                   | 67                   | 6                    | 36                                                        | 113                                            | 59                                                       | 56                                                       | 59                                                       | 78                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 227                   | 67                   | 27                   | 36                                                        | 113                                            | 58                                                       | 55                                                       | 59                                                       | 78                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 228                   | 67                   | 48                   | 36                                                        | 113                                            | 59                                                       | 55                                                       | 59                                                       | 78                                                       | 38                                                      | 37                                                      | 38                                                      | 38                                                      |
| 229                   | 68                   | 9                    | 37                                                        | 113                                            | 59                                                       | 55                                                       | 59                                                       | 78                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 230                   | 68                   | 30                   | 36                                                        | 114                                            | 58                                                       | 55                                                       | 59                                                       | 78                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 231                   | 68                   | 51                   | 36                                                        | 115                                            | 58                                                       | 55                                                       | 59                                                       | 79                                                       | 38                                                      | 40                                                      | 38                                                      | 38                                                      |
| 232                   | 69                   | 12                   | 36                                                        | 115                                            | 58                                                       | 56                                                       | 59                                                       | 79                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 233                   | 69                   | 37                   | 36                                                        | 115                                            | 59                                                       | 56                                                       | 59                                                       | 79                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 234                   | 69                   | 59                   | 36                                                        | 112                                            | 59                                                       | 55                                                       | 58                                                       | 78                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |

| -01<br>SMDEP<br>COUNT | 6-12<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BLEED<br>AIR<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 235                   | 70                   | 15                   | 38                                                               | 111                                                              | 58                                                       | 55                                                       | 59                                                       | 79                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 236                   | 70                   | 36                   | 37                                                               | 110                                                              | 56                                                       | 55                                                       | 57                                                       | 78                                                        | 37                                                      | 37                                                      | 37                                                      | 37                                                      |
| 237                   | 70                   | 57                   | 37                                                               | 109                                                              | 56                                                       | 55                                                       | 56                                                       | 77                                                        | 38                                                      | 37                                                      | 37                                                      | 38                                                      |
| 238                   | 71                   | 18                   | 37                                                               | 108                                                              | 58                                                       | 55                                                       | 56                                                       | 78                                                        | 38                                                      | 37                                                      | 37                                                      | 37                                                      |
| 239                   | 71                   | 39                   | 34                                                               | 108                                                              | 58                                                       | 55                                                       | 56                                                       | 77                                                        | 38                                                      | 37                                                      | 37                                                      | 37                                                      |
| 240                   | 72                   | 6                    | 37                                                               | 105                                                              | 58                                                       | 55                                                       | 55                                                       | 75                                                        | 40                                                      | 36                                                      | 36                                                      | 36                                                      |
| 241                   | 72                   | 21                   | 36                                                               | 105                                                              | 58                                                       | 53                                                       | 55                                                       | 73                                                        | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 242                   | 72                   | 42                   | 37                                                               | 104                                                              | 57                                                       | 54                                                       | 55                                                       | 74                                                        | 37                                                      | 37                                                      | 36                                                      | 36                                                      |
| 243                   | 73                   | 3                    | 38                                                               | 102                                                              | 57                                                       | 54                                                       | 55                                                       | 74                                                        | 38                                                      | 37                                                      | 36                                                      | 36                                                      |
| 244                   | 73                   | 24                   | 34                                                               | 100                                                              | 57                                                       | 54                                                       | 55                                                       | 74                                                        | 44                                                      | 37                                                      | 36                                                      | 37                                                      |
| 245                   | 73                   | 45                   | 37                                                               | 99                                                               | 57                                                       | 54                                                       | 56                                                       | 73                                                        | 37                                                      | 38                                                      | 37                                                      | 35                                                      |
| 246                   | 74                   | 6                    | 38                                                               | 100                                                              | 57                                                       | 54                                                       | 55                                                       | 74                                                        | 36                                                      | 37                                                      | 38                                                      | 38                                                      |
| 247                   | 74                   | 27                   | 37                                                               | 100                                                              | 58                                                       | 53                                                       | 55                                                       | 73                                                        | 37                                                      | 37                                                      | 38                                                      | 38                                                      |
| 248                   | 74                   | 49                   | 37                                                               | 101                                                              | 58                                                       | 54                                                       | 56                                                       | 73                                                        | 37                                                      | 37                                                      | 38                                                      | 37                                                      |
| 249                   | 75                   | 18                   | 37                                                               | 100                                                              | 57                                                       | 54                                                       | 55                                                       | 75                                                        | 37                                                      | 38                                                      | 39                                                      | 37                                                      |
| 250                   | 75                   | 31                   | 37                                                               | 101                                                              | 58                                                       | 54                                                       | 55                                                       | 74                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 251                   | 75                   | 52                   | 38                                                               | 100                                                              | 58                                                       | 55                                                       | 55                                                       | 75                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 252                   | 76                   | 13                   | 38                                                               | 100                                                              | 57                                                       | 54                                                       | 56                                                       | 75                                                        | 37                                                      | 38                                                      | 38                                                      | 38                                                      |
| 253                   | 76                   | 34                   | 37                                                               | 101                                                              | 57                                                       | 54                                                       | 56                                                       | 74                                                        | 37                                                      | 38                                                      | 38                                                      | 38                                                      |
| 254                   | 76                   | 55                   | 38                                                               | 101                                                              | 57                                                       | 54                                                       | 56                                                       | 75                                                        | 38                                                      | 37                                                      | 38                                                      | 39                                                      |
| 255                   | 77                   | 16                   | 38                                                               | 102                                                              | 58                                                       | 55                                                       | 56                                                       | 75                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 256                   | 77                   | 37                   | 37                                                               | 103                                                              | 57                                                       | 55                                                       | 56                                                       | 75                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 257                   | 77                   | 59                   | 38                                                               | 103                                                              | 58                                                       | 54                                                       | 56                                                       | 76                                                        | 37                                                      | 38                                                      | 37                                                      | 38                                                      |
| 258                   | 78                   | 20                   | 37                                                               | 104                                                              | 57                                                       | 54                                                       | 56                                                       | 76                                                        | 37                                                      | 37                                                      | 38                                                      | 38                                                      |
| 259                   | 78                   | 41                   | 38                                                               | 104                                                              | 57                                                       | 54                                                       | 56                                                       | 76                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 260                   | 79                   | 2                    | 38                                                               | 105                                                              | 57                                                       | 55                                                       | 57                                                       | 76                                                        | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 261                   | 79                   | 23                   | 37                                                               | 105                                                              | 57                                                       | 54                                                       | 57                                                       | 76                                                        | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 262                   | 80                   | 44                   | 38                                                               | 106                                                              | 57                                                       | 55                                                       | 57                                                       | 76                                                        | 38                                                      | 39                                                      | 39                                                      | 39                                                      |
| 263                   | 80                   | 5                    | 37                                                               | 107                                                              | 57                                                       | 55                                                       | 57                                                       | 77                                                        | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 264                   | 80                   | 27                   | 38                                                               | 104                                                              | 58                                                       | 54                                                       | 58                                                       | 76                                                        | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 265                   | 80                   | 48                   | 37                                                               | 107                                                              | 57                                                       | 55                                                       | 57                                                       | 76                                                        | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 266                   | 81                   | 9                    | 37                                                               | 108                                                              | 58                                                       | 55                                                       | 58                                                       | 77                                                        | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 267                   | 81                   | 30                   | 38                                                               | 108                                                              | 57                                                       | 55                                                       | 57                                                       | 77                                                        | 39                                                      | 38                                                      | 39                                                      | 39                                                      |
| 268                   | 81                   | 51                   | 37                                                               | 108                                                              | 57                                                       | 55                                                       | 57                                                       | 78                                                        | 39                                                      | 39                                                      | 40                                                      | 40                                                      |
| 269                   | 82                   | 12                   | 38                                                               | 109                                                              | 57                                                       | 55                                                       | 57                                                       | 78                                                        | 39                                                      | 39                                                      | 40                                                      | 40                                                      |
| 270                   | 82                   | 33                   | 39                                                               | 108                                                              | 57                                                       | 55                                                       | 57                                                       | 77                                                        | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 271                   | 82                   | 54                   | 41                                                               | 109                                                              | 57                                                       | 55                                                       | 57                                                       | 77                                                        | 42                                                      | 40                                                      | 40                                                      | 40                                                      |
| 272                   | 83                   | 15                   | 39                                                               | 108                                                              | 57                                                       | 55                                                       | 57                                                       | 75                                                        | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 273                   | 83                   | 36                   | 39                                                               | 108                                                              | 57                                                       | 55                                                       | 57                                                       | 74                                                        | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 274                   | 83                   | 57                   | 39                                                               | 108                                                              | 57                                                       | 55                                                       | 57                                                       | 73                                                        | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 275                   | 84                   | 18                   | 39                                                               | 108                                                              | 57                                                       | 55                                                       | 57                                                       | 73                                                        | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 276                   | 84                   | 39                   | 39                                                               | 107                                                              | 57                                                       | 54                                                       | 56                                                       | 72                                                        | 40                                                      | 39                                                      | 40                                                      | 39                                                      |
| 277                   | 85                   | 0                    | 40                                                               | 106                                                              | 57                                                       | 54                                                       | 56                                                       | 71                                                        | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 278                   | 85                   | 21                   | 39                                                               | 105                                                              | 56                                                       | 55                                                       | 56                                                       | 71                                                        | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 279                   | 85                   | 42                   | 39                                                               | 105                                                              | 56                                                       | 54                                                       | 56                                                       | 71                                                        | 39                                                      | 38                                                      | 40                                                      | 39                                                      |
| 280                   | 86                   | 3                    | 38                                                               | 103                                                              | 56                                                       | 54                                                       | 56                                                       | 70                                                        | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 281                   | 86                   | 24                   | 38                                                               | 102                                                              | 56                                                       | 54                                                       | 56                                                       | 71                                                        | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 282                   | 86                   | 46                   | 38                                                               | 102                                                              | 56                                                       | 54                                                       | 56                                                       | 71                                                        | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 283                   | 87                   | 7                    | 38                                                               | 102                                                              | 56                                                       | 54                                                       | 56                                                       | 71                                                        | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 284                   | 87                   | 28                   | 38                                                               | 101                                                              | 56                                                       | 54                                                       | 56                                                       | 73                                                        | 38                                                      | 39                                                      | 38                                                      | 38                                                      |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 285                   | 87                   | 49                   | 38                                                        | 101                                            | 56                                                       | 54                                                       | 56                                                       | 72                                                       | 36                                                      | 36                                                      | 36                                                      | 39                                                      |
| 286                   | 88                   | 10                   | 38                                                        | 102                                            | 56                                                       | 54                                                       | 56                                                       | 73                                                       | 37                                                      | 36                                                      | 36                                                      | 38                                                      |
| 287                   | 88                   | 31                   | 38                                                        | 102                                            | 56                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 37                                                      | 36                                                      | 38                                                      |
| 288                   | 88                   | 53                   | 38                                                        | 102                                            | 56                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 37                                                      | 36                                                      | 38                                                      |
| 289                   | 89                   | 14                   | 38                                                        | 102                                            | 56                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 290                   | 89                   | 35                   | 38                                                        | 102                                            | 57                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 291                   | 89                   | 56                   | 38                                                        | 103                                            | 57                                                       | 54                                                       | 56                                                       | 73                                                       | 37                                                      | 38                                                      | 38                                                      | 38                                                      |
| 292                   | 90                   | 17                   | 38                                                        | 103                                            | 57                                                       | 54                                                       | 56                                                       | 74                                                       | 38                                                      | 37                                                      | 38                                                      | 38                                                      |
| 293                   | 90                   | 38                   | 38                                                        | 104                                            | 57                                                       | 54                                                       | 56                                                       | 74                                                       | 38                                                      | 37                                                      | 38                                                      | 38                                                      |
| 294                   | 90                   | 59                   | 38                                                        | 104                                            | 57                                                       | 54                                                       | 56                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 295                   | 91                   | 21                   | 38                                                        | 105                                            | 57                                                       | 54                                                       | 56                                                       | 74                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 296                   | 91                   | 42                   | 38                                                        | 105                                            | 57                                                       | 54                                                       | 56                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 297                   | 92                   | 3                    | 38                                                        | 106                                            | 56                                                       | 54                                                       | 56                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 298                   | 92                   | 24                   | 38                                                        | 106                                            | 57                                                       | 54                                                       | 56                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 299                   | 92                   | 45                   | 38                                                        | 106                                            | 56                                                       | 54                                                       | 56                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 300                   | 93                   | 6                    | 38                                                        | 107                                            | 57                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 301                   | 93                   | 27                   | 38                                                        | 107                                            | 57                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 302                   | 93                   | 49                   | 38                                                        | 108                                            | 58                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 303                   | 94                   | 10                   | 38                                                        | 108                                            | 57                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 304                   | 94                   | 31                   | 38                                                        | 108                                            | 57                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 305                   | 94                   | 52                   | 38                                                        | 108                                            | 57                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 306                   | 95                   | 13                   | 38                                                        | 108                                            | 56                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 307                   | 95                   | 34                   | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 308                   | 95                   | 55                   | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 309                   | 96                   | 17                   | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 310                   | 96                   | 38                   | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 311                   | 96                   | 59                   | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 77                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 312                   | 97                   | 20                   | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 78                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 313                   | 97                   | 41                   | 38                                                        | 109                                            | 58                                                       | 54                                                       | 56                                                       | 78                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 314                   | 98                   | 2                    | 38                                                        | 109                                            | 58                                                       | 54                                                       | 56                                                       | 79                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 315                   | 98                   | 23                   | 38                                                        | 109                                            | 58                                                       | 54                                                       | 56                                                       | 79                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 316                   | 98                   | 44                   | 38                                                        | 110                                            | 58                                                       | 54                                                       | 56                                                       | 79                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 317                   | 99                   | 5                    | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 318                   | 99                   | 26                   | 38                                                        | 109                                            | 57                                                       | 54                                                       | 56                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 319                   | 99                   | 47                   | 38                                                        | 110                                            | 58                                                       | 54                                                       | 56                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 320                   | 100                  | 8                    | 38                                                        | 110                                            | 57                                                       | 54                                                       | 56                                                       | 74                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 321                   | 100                  | 29                   | 38                                                        | 109                                            | 58                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 322                   | 100                  | 50                   | 38                                                        | 109                                            | 58                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 323                   | 101                  | 11                   | 38                                                        | 108                                            | 58                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 324                   | 101                  | 32                   | 38                                                        | 108                                            | 58                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 325                   | 101                  | 53                   | 38                                                        | 107                                            | 57                                                       | 54                                                       | 56                                                       | 71                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 326                   | 101                  | 14                   | 38                                                        | 106                                            | 57                                                       | 54                                                       | 56                                                       | 72                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 327                   | 102                  | 36                   | 38                                                        | 105                                            | 57                                                       | 54                                                       | 56                                                       | 72                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 328                   | 102                  | 57                   | 38                                                        | 105                                            | 58                                                       | 54                                                       | 56                                                       | 72                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 329                   | 103                  | 14                   | 38                                                        | 105                                            | 58                                                       | 54                                                       | 56                                                       | 72                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 330                   | 103                  | 39                   | 38                                                        | 105                                            | 57                                                       | 54                                                       | 56                                                       | 72                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 331                   | 104                  | 6                    | 38                                                        | 105                                            | 57                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 332                   | 104                  | 22                   | 38                                                        | 105                                            | 58                                                       | 54                                                       | 56                                                       | 73                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 333                   | 104                  | 43                   | 38                                                        | 105                                            | 58                                                       | 54                                                       | 56                                                       | 74                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 334                   | 105                  | 4                    | 38                                                        | 105                                            | 59                                                       | 54                                                       | 56                                                       | 74                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>*MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|-----------------------|----------------------|---------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 335                   | 185                   | 25                   | 42                                                | 106                                            | 58                                                       | 56                                                       | 58                                                       | 75                                                       | 39                                                      | 38                                                      | 39                                                      | 39                                                      |
| 336                   | 185                   | 46                   | 43                                                | 105                                            | 58                                                       | 56                                                       | 58                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 337                   | 186                   | 7                    | 42                                                | 105                                            | 59                                                       | 56                                                       | 58                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 338                   | 186                   | 28                   | 43                                                | 106                                            | 59                                                       | 56                                                       | 58                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 339                   | 186                   | 50                   | 43                                                | 105                                            | 58                                                       | 56                                                       | 57                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 340                   | 187                   | 11                   | 42                                                | 106                                            | 58                                                       | 56                                                       | 58                                                       | 75                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 341                   | 187                   | 32                   | 41                                                | 106                                            | 58                                                       | 56                                                       | 58                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 342                   | 187                   | 53                   | 42                                                | 106                                            | 58                                                       | 55                                                       | 58                                                       | 75                                                       | 38                                                      | 37                                                      | 38                                                      | 38                                                      |
| 343                   | 188                   | 14                   | 42                                                | 107                                            | 58                                                       | 56                                                       | 58                                                       | 76                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 344                   | 188                   | 35                   | 42                                                | 108                                            | 58                                                       | 56                                                       | 58                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 345                   | 188                   | 57                   | 42                                                | 107                                            | 58                                                       | 56                                                       | 58                                                       | 75                                                       | 38                                                      | 38                                                      | 39                                                      | 39                                                      |
| 346                   | 189                   | 18                   | 42                                                | 108                                            | 58                                                       | 56                                                       | 57                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 347                   | 189                   | 39                   | 42                                                | 107                                            | 58                                                       | 55                                                       | 57                                                       | 75                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 348                   | 190                   | 0                    | 42                                                | 107                                            | 58                                                       | 55                                                       | 57                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 349                   | 190                   | 21                   | 42                                                | 107                                            | 57                                                       | 55                                                       | 57                                                       | 76                                                       | 37                                                      | 38                                                      | 38                                                      | 38                                                      |
| 350                   | 190                   | 43                   | 43                                                | 107                                            | 58                                                       | 56                                                       | 58                                                       | 76                                                       | 38                                                      | 38                                                      | 38                                                      | 39                                                      |
| 351                   | 191                   | 4                    | 42                                                | 108                                            | 57                                                       | 56                                                       | 57                                                       | 75                                                       | 39                                                      | 39                                                      | 39                                                      | 38                                                      |
| 352                   | 191                   | 25                   | 43                                                | 108                                            | 59                                                       | 56                                                       | 57                                                       | 75                                                       | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 353                   | 191                   | 46                   | 44                                                | 108                                            | 58                                                       | 56                                                       | 56                                                       | 75                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 354                   | 192                   | 7                    | 43                                                | 108                                            | 58                                                       | 55                                                       | 57                                                       | 75                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 355                   | 192                   | 28                   | 45                                                | 109                                            | 58                                                       | 56                                                       | 56                                                       | 74                                                       | 39                                                      | 40                                                      | 40                                                      | 39                                                      |
| 356                   | 192                   | 49                   | 43                                                | 108                                            | 57                                                       | 55                                                       | 56                                                       | 73                                                       | 39                                                      | 39                                                      | 39                                                      | 38                                                      |
| 357                   | 193                   | 10                   | 44                                                | 108                                            | 57                                                       | 55                                                       | 56                                                       | 72                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 358                   | 193                   | 31                   | 42                                                | 108                                            | 58                                                       | 55                                                       | 56                                                       | 72                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 359                   | 193                   | 52                   | 44                                                | 108                                            | 57                                                       | 55                                                       | 55                                                       | 71                                                       | 42                                                      | 42                                                      | 39                                                      | 41                                                      |
| 360                   | 194                   | 13                   | 43                                                | 107                                            | 58                                                       | 54                                                       | 56                                                       | 72                                                       | 42                                                      | 42                                                      | 40                                                      | 42                                                      |
| 361                   | 194                   | 34                   | 43                                                | 108                                            | 57                                                       | 55                                                       | 56                                                       | 70                                                       | 42                                                      | 42                                                      | 40                                                      | 42                                                      |
| 362                   | 194                   | 55                   | 44                                                | 106                                            | 57                                                       | 55                                                       | 56                                                       | 70                                                       | 42                                                      | 42                                                      | 41                                                      | 42                                                      |
| 363                   | 195                   | 16                   | 42                                                | 105                                            | 56                                                       | 54                                                       | 55                                                       | 69                                                       | 41                                                      | 41                                                      | 40                                                      | 41                                                      |
| 364                   | 195                   | 38                   | 45                                                | 105                                            | 57                                                       | 55                                                       | 56                                                       | 70                                                       | 42                                                      | 43                                                      | 41                                                      | 42                                                      |
| 365                   | 195                   | 59                   | 43                                                | 106                                            | 57                                                       | 55                                                       | 56                                                       | 70                                                       | 42                                                      | 44                                                      | 42                                                      | 42                                                      |
| 366                   | 196                   | 20                   | 45                                                | 107                                            | 58                                                       | 56                                                       | 56                                                       | 70                                                       | 42                                                      | 44                                                      | 42                                                      | 42                                                      |
| 367                   | 196                   | 41                   | 45                                                | 108                                            | 58                                                       | 56                                                       | 57                                                       | 69                                                       | 42                                                      | 44                                                      | 42                                                      | 42                                                      |
| 368                   | 199                   | 17                   | 45                                                | 111                                            | 56                                                       | 56                                                       | 57                                                       | 68                                                       | 46                                                      | 46                                                      | 45                                                      | 43                                                      |
| 369                   | 199                   | 51                   | 45                                                | 111                                            | 56                                                       | 56                                                       | 58                                                       | 68                                                       | 46                                                      | 46                                                      | 45                                                      | 44                                                      |
| 370                   | 199                   | 13                   | 45                                                | 111                                            | 56                                                       | 56                                                       | 58                                                       | 68                                                       | 46                                                      | 48                                                      | 46                                                      | 44                                                      |
| 371                   | 199                   | 34                   | 45                                                | 111                                            | 56                                                       | 56                                                       | 58                                                       | 68                                                       | 46                                                      | 48                                                      | 45                                                      | 44                                                      |
| 372                   | 199                   | 56                   | 46                                                | 112                                            | 56                                                       | 56                                                       | 58                                                       | 68                                                       | 46                                                      | 48                                                      | 46                                                      | 45                                                      |
| 373                   | 199                   | 17                   | 46                                                | 112                                            | 56                                                       | 57                                                       | 59                                                       | 68                                                       | 48                                                      | 48                                                      | 46                                                      | 44                                                      |
| 374                   | 199                   | 39                   | 46                                                | 112                                            | 56                                                       | 57                                                       | 59                                                       | 68                                                       | 48                                                      | 49                                                      | 46                                                      | 44                                                      |
| 375                   | 199                   | 28                   | 47                                                | 111                                            | 56                                                       | 57                                                       | 59                                                       | 67                                                       | 49                                                      | 49                                                      | 46                                                      | 45                                                      |
| 376                   | 199                   | 42                   | 47                                                | 111                                            | 56                                                       | 57                                                       | 59                                                       | 67                                                       | 49                                                      | 49                                                      | 46                                                      | 44                                                      |
| 377                   | 199                   | 3                    | 47                                                | 111                                            | 56                                                       | 57                                                       | 60                                                       | 67                                                       | 49                                                      | 50                                                      | 47                                                      | 45                                                      |
| 378                   | 199                   | 25                   | 47                                                | 111                                            | 56                                                       | 57                                                       | 59                                                       | 66                                                       | 49                                                      | 49                                                      | 46                                                      | 45                                                      |
| 379                   | 199                   | 47                   | 47                                                | 112                                            | 56                                                       | 58                                                       | 59                                                       | 66                                                       | 49                                                      | 49                                                      | 46                                                      | 45                                                      |
| 380                   | 199                   | 26                   | 43                                                | 101                                            | 52                                                       | 53                                                       | 55                                                       | 61                                                       | 50                                                      | 46                                                      | 44                                                      | 42                                                      |
| 381                   | 199                   | 50                   | 48                                                | 164                                            | 55                                                       | 54                                                       | 55                                                       | 63                                                       | 52                                                      | 49                                                      | 45                                                      | 44                                                      |
| 382                   | 199                   | 11                   | 48                                                | 104                                            | 55                                                       | 56                                                       | 57                                                       | 63                                                       | 52                                                      | 49                                                      | 45                                                      | 44                                                      |
| 383                   | 199                   | 33                   | 48                                                | 103                                            | 55                                                       | 56                                                       | 57                                                       | 63                                                       | 52                                                      | 49                                                      | 45                                                      | 44                                                      |
| 384                   | 199                   | 54                   | 48                                                | 103                                            | 55                                                       | 57                                                       | 57                                                       | 62                                                       | 52                                                      | 49                                                      | 45                                                      | 44                                                      |

|       |       |      |      |        |       |       |       |       |       |       |       |       |       |
|-------|-------|------|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -01   | SWEET | 6-02 | 6-03 | 6-07   | 6-08  | 6-09  | 6-10  | 6-11  | 6-12  | 6-14  | 6-15  | 6-16  | 6-17  |
| COUNT | TIME  | TIME | SEC. | ENG.1  | ENG.1 | ENG.1 | ENG.1 | ENG.2 | ENG.2 | ENG.1 | ENG.1 | ENG.1 | ENG.1 |
|       | MIN.  |      |      | BOOST  | BLEED | LORD  | LORD  | LORD  | LORD  | INLET | INLET | INLET | INLET |
|       |       |      |      | PUMP   | AIR   | ISOL. | ISOL. | ISOL. | ISOL. | LIP   | LIP   | LIP   | LIP   |
|       |       |      |      | OUTLET | TEMP  | MNT   | MNT   | MNT   | MNT   | SURF. | SURF. | SURF. | SURF. |
|       |       |      |      | TEMP   | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C | DEG.C |
| 385   | 131   | 16   |      | 48     | 103   | 58    | 56    | 57    | 62    | 52    | 49    | 46    | 44    |
| 386   | 139   | 57   |      | 49     | 95    | 55    | 57    | 55    | 59    | 53    | 40    | 45    | 43    |
| 387   | 148   | 18   |      | 49     | 95    | 55    | 56    | 55    | 59    | 53    | 49    | 45    | 44    |
| 388   | 140   | 40   |      | 49     | 94    | 55    | 56    | 55    | 59    | 53    | 48    | 45    | 44    |
| 389   | 141   | 2    |      | 49     | 94    | 55    | 56    | 55    | 59    | 54    | 48    | 45    | 44    |
| 390   | 141   | 23   |      | 45     | 93    | 55    | 56    | 55    | 59    | 53    | 40    | 45    | 44    |
| 391   | 149   | 1    |      | 45     | 87    | 54    | 55    | 55    | 59    | 52    | 46    | 44    | 43    |
| 392   | 149   | 23   |      | 51     | 88    | 54    | 55    | 56    | 59    | 52    | 46    | 43    | 42    |
| 393   | 149   | 44   |      | 51     | 86    | 54    | 56    | 55    | 50    | 51    | 46    | 43    | 42    |
| 394   | 150   | 6    |      | 49     | 86    | 54    | 55    | 55    | 50    | 51    | 45    | 43    | 42    |
| 395   | 150   | 28   |      | 49     | 86    | 54    | 55    | 55    | 50    | 51    | 46    | 43    | 42    |
| 396   | 150   | 49   |      | 49     | 86    | 55    | 56    | 55    | 50    | 51    | 45    | 44    | 43    |

MM-53C S/N 60-10354  
 DESERT TEST  
 7 JULY 1971  
 RUN NO. 8

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPR1<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPR1<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPR1<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPR1<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>5.80X<br>(F PR)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>5.80X<br>(F PR)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G.80X<br>(STR1)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| 39                    | 1                    | 14                   | 39                                                      | *                                                       | *                                                       | *                                                          | *                                                          | 36                                                         | 37                                                         | 40                                                          | 40                                                          | 44                                                          |
| 40                    | 1                    | 57                   | 38                                                      | *                                                       | 39                                                      | 39                                                         | 39                                                         | 36                                                         | 37                                                         | 39                                                          | 40                                                          | 44                                                          |
| 41                    | 2                    | 19                   | 38                                                      | 38                                                      | 39                                                      | 38                                                         | 38                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 46                                                          |
| 42                    | 2                    | 40                   | 39                                                      | 38                                                      | 39                                                      | 38                                                         | 38                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 45                                                          |
| 43                    | 3                    | 1                    | 39                                                      | 39                                                      | 39                                                      | 39                                                         | 38                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 44                                                          |
| 44                    | 3                    | 23                   | 39                                                      | 38                                                      | 39                                                      | 39                                                         | 38                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 44                                                          |
| 45                    | 3                    | 44                   | 39                                                      | 38                                                      | 39                                                      | 39                                                         | 38                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 44                                                          |
| 46                    | 3                    |                      | 39                                                      | 38                                                      | 39                                                      | 39                                                         | 38                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 44                                                          |
| 47                    | 4                    | 6                    | 39                                                      | 38                                                      | 39                                                      | 38                                                         | 39                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 44                                                          |
| 48                    | 4                    | 27                   | 39                                                      | 38                                                      | 39                                                      | 38                                                         | 39                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 44                                                          |
| 49                    | 4                    | 49                   | 39                                                      | 38                                                      | 39                                                      | 38                                                         | 39                                                         | 36                                                         | 37                                                         | 39                                                          | 40                                                          | 45                                                          |
| 50                    | 5                    | 10                   | 39                                                      | 38                                                      | 39                                                      | 38                                                         | 39                                                         | 36                                                         | 37                                                         | 39                                                          | 40                                                          | 44                                                          |
| 51                    | 5                    | 31                   | 39                                                      | 38                                                      | 39                                                      | 38                                                         | 39                                                         | 36                                                         | 37                                                         | 39                                                          | 40                                                          | 44                                                          |
| 52                    | 5                    | 53                   | 38                                                      | 38                                                      | 39                                                      | 38                                                         | 38                                                         | 36                                                         | 37                                                         | 40                                                          | 40                                                          | 44                                                          |
| 53                    | 5                    | *                    | 38                                                      | 38                                                      | 39                                                      | 38                                                         | 38                                                         | 36                                                         | 37                                                         | 40                                                          | 40                                                          | 44                                                          |
| 54                    | 6                    | 36                   | 38                                                      | 38                                                      | 39                                                      | 38                                                         | 39                                                         | 36                                                         | 38                                                         | 40                                                          | 40                                                          | 44                                                          |
| 55                    | 6                    | 57                   | 39                                                      | 39                                                      | 39                                                      | 39                                                         | 39                                                         | 40                                                         | 39                                                         | 40                                                          | 40                                                          | 45                                                          |
| 56                    | 7                    | 19                   | 39                                                      | 39                                                      | 40                                                      | 41                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 42                                                          | 45                                                          |
| 57                    | 7                    | 40                   | 39                                                      | 40                                                      | 40                                                      | 40                                                         | 39                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 58                    | 8                    | 1                    | 39                                                      | 40                                                      | 40                                                      | 41                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 59                    | 8                    | 22                   | 39                                                      | 40                                                      | 40                                                      | 41                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 60                    | 8                    | 43                   | 39                                                      | 40                                                      | 40                                                      | 41                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 61                    | 9                    | 4                    | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 62                    | 9                    | 25                   | 39                                                      | 39                                                      | 40                                                      | 41                                                         | 40                                                         | 41                                                         | 39                                                         | 41                                                          | 41                                                          | 46                                                          |
| 63                    | 9                    | 47                   | 39                                                      | 39                                                      | 41                                                      | 41                                                         | 40                                                         | 41                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 64                    | 10                   | 8                    | 39                                                      | 40                                                      | 41                                                      | 41                                                         | 40                                                         | 41                                                         | 39                                                         | 41                                                          | 41                                                          | 46                                                          |
| 65                    | 10                   | 29                   | 39                                                      | 40                                                      | 41                                                      | 41                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 46                                                          |
| 66                    | 10                   | 50                   | 39                                                      | 40                                                      | 40                                                      | 40                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 67                    | 11                   | 12                   | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 39                                                         | 39                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 68                    | 11                   | 32                   | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 40                                                         | 39                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 69                    | 11                   | 53                   | 39                                                      | 39                                                      | 39                                                      | 40                                                         | 39                                                         | 39                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 70                    | 12                   | 14                   | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 39                                                         | 39                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 71                    | 12                   | 36                   | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 39                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 72                    | 12                   | 57                   | 39                                                      | 39                                                      | 39                                                      | 40                                                         | 39                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 73                    | 13                   | 18                   | 39                                                      | *                                                       | *                                                       | 40                                                         | 40                                                         | 40                                                         | 39                                                         | 41                                                          | 41                                                          | 45                                                          |
| 74                    | 13                   | 39                   | 39                                                      | 39                                                      | 40                                                      | 41                                                         | 40                                                         | 41                                                         | 40                                                         | 42                                                          | 42                                                          | 51                                                          |
| 75                    | 14                   | 0                    | 39                                                      | 39                                                      | 39                                                      | 41                                                         | 40                                                         | 41                                                         | 39                                                         | 42                                                          | 42                                                          | 51                                                          |
| 76                    | 14                   | 21                   | 39                                                      | 39                                                      | 39                                                      | 40                                                         | 40                                                         | 40                                                         | 39                                                         | 42                                                          | 42                                                          | 51                                                          |
| 77                    | 14                   | 43                   | 39                                                      | 39                                                      | 39                                                      | 40                                                         | 40                                                         | 39                                                         | 39                                                         | 42                                                          | 42                                                          | 51                                                          |
| 78                    | 15                   | 4                    | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 40                                                         | 39                                                         | 39                                                         | 42                                                          | 42                                                          | 51                                                          |
| 79                    | 15                   | 25                   | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 40                                                         | 40                                                         | 40                                                         | 42                                                          | 42                                                          | 51                                                          |
| 80                    | 15                   | 46                   | 39                                                      | 39                                                      | 40                                                      | 41                                                         | 40                                                         | 40                                                         | 40                                                         | 42                                                          | 42                                                          | 51                                                          |
| 81                    | 16                   | 7                    | 39                                                      | 39                                                      | 40                                                      | 41                                                         | 40                                                         | 41                                                         | 40                                                         | 42                                                          | 42                                                          | 51                                                          |
| 82                    | 16                   | 28                   | 39                                                      | 39                                                      | 40                                                      | 41                                                         | 40                                                         | 41                                                         | 40                                                         | 42                                                          | 42                                                          | 51                                                          |
| 83                    | 16                   | 49                   | 39                                                      | 39                                                      | 40                                                      | 40                                                         | 40                                                         | 39                                                         | 39                                                         | 42                                                          | 42                                                          | 51                                                          |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>(SRT)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>(F FRI)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>(SRT)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------|---------------------------------------------------|
| 64                    | 17                   | 10                   | 40                                                      | 40                                                      | 40                                                      | 40                                                        | 41                                                        | 41                                                        | 39                                                        | 56                                                | 45                                                  | 78                                                |
| 65                    | 17                   | 32                   | 39                                                      | 40                                                      | 40                                                      | 41                                                        | 41                                                        | 40                                                        | 40                                                        | 40                                                | 45                                                  | 78                                                |
| 66                    | 17                   | 53                   | 40                                                      | 40                                                      | 41                                                      | 41                                                        | 41                                                        | 40                                                        | 39                                                        | 56                                                | 45                                                  | 76                                                |
| 67                    | 18                   | 14                   | 39                                                      | 39                                                      | 41                                                      | 40                                                        | 40                                                        | 39                                                        | 39                                                        | 56                                                | 45                                                  | 77                                                |
| 68                    | 18                   | 35                   | 39                                                      | 40                                                      | 41                                                      | 41                                                        | 41                                                        | 41                                                        | 40                                                        | 55                                                | 45                                                  | 76                                                |
| 69                    | 18                   | 56                   | 41                                                      | 40                                                      | 40                                                      | 41                                                        | 41                                                        | 41                                                        | 41                                                        | 55                                                | 45                                                  | 75                                                |
| 70                    | 19                   | 17                   | 39                                                      | 39                                                      | 40                                                      | 40                                                        | 40                                                        | 41                                                        | 40                                                        | 55                                                | 44                                                  | 73                                                |
| 71                    | 19                   | 38                   | 40                                                      | 40                                                      | 41                                                      | 41                                                        | 41                                                        | 41                                                        | 41                                                        | 54                                                | 45                                                  | 72                                                |
| 72                    | 19                   | 59                   | 40                                                      | 39                                                      | 41                                                      | 41                                                        | 41                                                        | 41                                                        | 41                                                        | 51                                                | 45                                                  | 72                                                |
| 73                    | 20                   | 21                   | 40                                                      | 40                                                      | 41                                                      | 41                                                        | 41                                                        | 41                                                        | 41                                                        | 74                                                | 45                                                  | 72                                                |
| 74                    | 20                   | 42                   | 39                                                      | 40                                                      | 40                                                      | 42                                                        | 40                                                        | 41                                                        | 41                                                        | 75                                                | 47                                                  | 71                                                |
| 75                    | 21                   | 3                    | 39                                                      | 39                                                      | 40                                                      | 42                                                        | 40                                                        | 44                                                        | 41                                                        | 75                                                | 51                                                  | 71                                                |
| 76                    | 21                   | 23                   | 38                                                      | 38                                                      | 39                                                      | 42                                                        | 39                                                        | 47                                                        | 41                                                        | 74                                                | 51                                                  | 71                                                |
| 77                    | 21                   | 44                   | 39                                                      | 39                                                      | 39                                                      | 43                                                        | 41                                                        | 48                                                        | 42                                                        | 73                                                | 53                                                  | 70                                                |
| 78                    | 22                   | 5                    | 39                                                      | 39                                                      | 39                                                      | 42                                                        | 42                                                        | 47                                                        | 43                                                        | 72                                                | 66                                                  | 69                                                |
| 79                    | 22                   | 47                   | 39                                                      | 39                                                      | 40                                                      | 44                                                        | 41                                                        | 49                                                        | 43                                                        | 73                                                | 66                                                  | 69                                                |
| 80                    | 22                   | 8                    | 39                                                      | 39                                                      | 40                                                      | 44                                                        | 41                                                        | 49                                                        | 44                                                        | 71                                                | 66                                                  | 69                                                |
| 81                    | 23                   | 8                    | 39                                                      | 39                                                      | 39                                                      | 44                                                        | 41                                                        | 49                                                        | 43                                                        | 71                                                | 63                                                  | 67                                                |
| 82                    | 23                   | 50                   | 39                                                      | 39                                                      | 40                                                      | 45                                                        | 41                                                        | 49                                                        | 44                                                        | 70                                                | 66                                                  | 67                                                |
| 83                    | 24                   | 11                   | 31                                                      | 33                                                      | 40                                                      | 45                                                        | 42                                                        | 50                                                        | 44                                                        | 70                                                | 74                                                  | 67                                                |
| 84                    | 24                   | 31                   | 36                                                      | 38                                                      | 39                                                      | 45                                                        | 42                                                        | 50                                                        | 43                                                        | 69                                                | 76                                                  | 67                                                |
| 85                    | 24                   | 53                   | 38                                                      | 39                                                      | 39                                                      | 45                                                        | 42                                                        | 50                                                        | 44                                                        | 69                                                | 78                                                  | 66                                                |
| 86                    | 25                   | 14                   | 39                                                      | 39                                                      | 40                                                      | 45                                                        | 42                                                        | 50                                                        | 44                                                        | 68                                                | 74                                                  | 66                                                |
| 87                    | 25                   | 38                   | 39                                                      | 39                                                      | 40                                                      | 45                                                        | 43                                                        | 51                                                        | 45                                                        | 68                                                | 74                                                  | 68                                                |
| 88                    | 25                   | 56                   | 39                                                      | 40                                                      | 40                                                      | 46                                                        | 43                                                        | 52                                                        | 45                                                        | 68                                                | 78                                                  | 66                                                |
| 89                    | 26                   | 17                   | 41                                                      | 43                                                      | 41                                                      | 47                                                        | 42                                                        | 54                                                        | 53                                                        | 69                                                | 86                                                  | 66                                                |
| 90                    | 26                   | 37                   | 42                                                      | 43                                                      | 42                                                      | 48                                                        | 42                                                        | 54                                                        | 54                                                        | 69                                                | 86                                                  | 66                                                |
| 91                    | 26                   | 59                   | 45                                                      | 46                                                      | 42                                                      | 48                                                        | 42                                                        | 55                                                        | 58                                                        | 69                                                | 79                                                  | 66                                                |
| 92                    | 27                   | 20                   | 45                                                      | 46                                                      | 42                                                      | 48                                                        | 42                                                        | 55                                                        | 58                                                        | 68                                                | 76                                                  | 66                                                |
| 93                    | 27                   | 41                   | 48                                                      | 49                                                      | 47                                                      | 48                                                        | 42                                                        | 60                                                        | 60                                                        | 68                                                | 76                                                  | 66                                                |
| 94                    | 27                   | 51                   | 51                                                      | 51                                                      | 49                                                      | 50                                                        | 64                                                        | 60                                                        | 62                                                        | 69                                                | 110                                                 | 67                                                |
| 95                    | 28                   | 2                    | 52                                                      | 52                                                      | 50                                                      | 52                                                        | 61                                                        | 62                                                        | 62                                                        | 69                                                | 110                                                 | 66                                                |
| 96                    | 28                   | 23                   | 43                                                      | 47                                                      | 45                                                      | 49                                                        | 46                                                        | 71                                                        | 52                                                        | 67                                                | 76                                                  | 66                                                |
| 97                    | 28                   | 45                   | 45                                                      | 45                                                      | 45                                                      | 48                                                        | 44                                                        | 91                                                        | 52                                                        | 66                                                | 75                                                  | 66                                                |
| 98                    | 28                   | 6                    | 44                                                      | 45                                                      | 43                                                      | 48                                                        | 44                                                        | 101                                                       | 49                                                        | 66                                                | 79                                                  | 66                                                |
| 99                    | 29                   | 27                   | 43                                                      | 42                                                      | 44                                                      | 48                                                        | 44                                                        | 103                                                       | 51                                                        | 68                                                | 79                                                  | 66                                                |
| 100                   | 29                   | 48                   | 42                                                      | 42                                                      | 42                                                      | 48                                                        | 45                                                        | 102                                                       | 50                                                        | 68                                                | 78                                                  | 66                                                |
| 101                   | 29                   | 9                    | 42                                                      | 42                                                      | 41                                                      | 48                                                        | 45                                                        | 107                                                       | 52                                                        | 67                                                | 82                                                  | 67                                                |
| 102                   | 30                   | 30                   | 41                                                      | 42                                                      | 41                                                      | 48                                                        | 45                                                        | 108                                                       | 51                                                        | 67                                                | 82                                                  | 66                                                |
| 103                   | 30                   | 51                   | 41                                                      | 41                                                      | 40                                                      | 48                                                        | 44                                                        | 110                                                       | 51                                                        | 67                                                | 82                                                  | 67                                                |
| 104                   | 31                   | 9                    | 41                                                      | 41                                                      | 41                                                      | 48                                                        | 45                                                        | 113                                                       | 51                                                        | 66                                                | 81                                                  | 67                                                |
| 105                   | 31                   | 34                   | 40                                                      | 41                                                      | 41                                                      | 48                                                        | 44                                                        | 115                                                       | 50                                                        | 66                                                | 109                                                 | 67                                                |
| 106                   | 31                   | 55                   | 41                                                      | 41                                                      | 41                                                      | 48                                                        | 43                                                        | 116                                                       | 51                                                        | 66                                                | 82                                                  | 67                                                |
| 107                   | 32                   | 16                   | 41                                                      | 41                                                      | 41                                                      | 49                                                        | 43                                                        | 118                                                       | 51                                                        | 66                                                | 110                                                 | 67                                                |
| 108                   | 32                   | 37                   | 40                                                      | 40                                                      | 41                                                      | 48                                                        | 43                                                        | 116                                                       | 50                                                        | 67                                                | 90                                                  | 67                                                |
| 109                   | 32                   | 58                   | 41                                                      | 40                                                      | 41                                                      | 48                                                        | 43                                                        | 116                                                       | 51                                                        | 67                                                | 88                                                  | 67                                                |
| 110                   | 33                   | 19                   | 40                                                      | 40                                                      | 41                                                      | 49                                                        | 45                                                        | 117                                                       | 51                                                        | 66                                                | 89                                                  | 67                                                |
| 111                   | 33                   | 41                   | 41                                                      | 41                                                      | 42                                                      | 49                                                        | 45                                                        | 116                                                       | 52                                                        | 66                                                | 88                                                  | 68                                                |
| 112                   | 33                   | 62                   | 41                                                      | 41                                                      | 42                                                      | 49                                                        | 45                                                        | 116                                                       | 52                                                        | 67                                                | 87                                                  | 68                                                |
| 113                   | 34                   | 2                    | 41                                                      | 41                                                      | 42                                                      | 51                                                        | 49                                                        | 112                                                       | 55                                                        | 67                                                | 87                                                  | 68                                                |
| 114                   | 34                   | 23                   | 43                                                      | 43                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 115                   | 34                   | 44                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 116                   | 34                   | 65                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 117                   | 35                   | 8                    | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 118                   | 35                   | 29                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 119                   | 35                   | 50                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 120                   | 36                   | 1                    | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 121                   | 36                   | 32                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 122                   | 36                   | 53                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 123                   | 37                   | 14                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 124                   | 37                   | 35                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 125                   | 37                   | 56                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 126                   | 38                   | 7                    | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 127                   | 38                   | 28                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 128                   | 38                   | 49                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 129                   | 39                   | 10                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 130                   | 39                   | 31                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 131                   | 39                   | 52                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 132                   | 40                   | 13                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 133                   | 40                   | 34                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |
| 134                   | 40                   | 55                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 48                                                        | 120                                                       | 55                                                        | 67                                                | 86                                                  | 68                                                |



| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 5-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 5-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 5-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 5-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 5-23<br>ENG.1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 5-24<br>ENG.1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 5-25<br>ENG.1<br>ACCESS<br>G.BOX<br>(STRT)<br>TEMP<br>DEG.C | 5-26<br>ENG.1<br>ACCESS<br>G.BOX<br>(F FRI)<br>TEMP<br>DEG.C | 5-27<br>ENG.2<br>ACCESS<br>G.BOX<br>(STRT)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|
| 135                   | 35                   | 5                    | 44                                                      | 45                                                      | 45                                                      | 52                                                        | 50                                                        | 123                                                       | 56                                                        | 67                                                          | 89                                                           | 67                                                          |
| 136                   | 35                   | 26                   | 44                                                      | 44                                                      | 45                                                      | 54                                                        | 49                                                        | 125                                                       | 56                                                        | 67                                                          | 89                                                           | 68                                                          |
| 137                   | 36                   | 9                    | 46                                                      | 47                                                      | 46                                                      | 55                                                        | 52                                                        | 120                                                       | 58                                                        | 67                                                          | 96                                                           | 68                                                          |
| 138                   | 36                   | 30                   | 46                                                      | 46                                                      | 47                                                      | 55                                                        | 49                                                        | 125                                                       | 57                                                        | 67                                                          | 92                                                           | 69                                                          |
| 139                   | 36                   | 51                   | 45                                                      | 45                                                      | 45                                                      | 56                                                        | 48                                                        | 124                                                       | 56                                                        | 67                                                          | 93                                                           | 69                                                          |
| 140                   | 36                   | 51                   | 44                                                      | 44                                                      | 45                                                      | 54                                                        | 46                                                        | 122                                                       | 53                                                        | 68                                                          | 93                                                           | 69                                                          |
| 141                   | 37                   | 12                   | 43                                                      | 44                                                      | 43                                                      | 53                                                        | 46                                                        | 122                                                       | 53                                                        | 68                                                          | 94                                                           | 70                                                          |
| 142                   | 37                   | 33                   | 43                                                      | 42                                                      | 43                                                      | 52                                                        | 46                                                        | 121                                                       | 54                                                        | 68                                                          | 93                                                           | 70                                                          |
| 143                   | 37                   | 54                   | 41                                                      | 41                                                      | 42                                                      | 52                                                        | 44                                                        | 116                                                       | 51                                                        | 67                                                          | 91                                                           | 70                                                          |
| 144                   | 38                   | 16                   | 41                                                      | 41                                                      | 41                                                      | 50                                                        | 45                                                        | 117                                                       | 52                                                        | 67                                                          | 93                                                           | 70                                                          |
| 145                   | 38                   | 37                   | 41                                                      | 40                                                      | 41                                                      | 51                                                        | 45                                                        | 115                                                       | 53                                                        | 68                                                          | 93                                                           | 69                                                          |
| 146                   | 38                   | 58                   | 40                                                      | 40                                                      | 40                                                      | 49                                                        | 43                                                        | 110                                                       | 51                                                        | 68                                                          | 92                                                           | 70                                                          |
| 147                   | 39                   | 19                   | 40                                                      | 40                                                      | 41                                                      | 50                                                        | 44                                                        | 116                                                       | 52                                                        | 67                                                          | 93                                                           | 70                                                          |
| 148                   | 39                   | 40                   | 41                                                      | 41                                                      | 41                                                      | 51                                                        | 49                                                        | 109                                                       | 55                                                        | 69                                                          | 93                                                           | 70                                                          |
| 149                   | 40                   | 1                    | 41                                                      | 42                                                      | 41                                                      | 52                                                        | 48                                                        | 107                                                       | 55                                                        | 69                                                          | 93                                                           | 71                                                          |
| 150                   | 40                   | 22                   | 40                                                      | 40                                                      | 40                                                      | 52                                                        | 45                                                        | 110                                                       | 53                                                        | 68                                                          | 91                                                           | 70                                                          |
| 151                   | 40                   | 43                   | 41                                                      | 41                                                      | 41                                                      | 52                                                        | 48                                                        | 113                                                       | 54                                                        | 69                                                          | 91                                                           | 71                                                          |
| 152                   | 41                   | 4                    | 41                                                      | 42                                                      | 41                                                      | 53                                                        | 48                                                        | 115                                                       | 55                                                        | 69                                                          | 92                                                           | 70                                                          |
| 153                   | 41                   | 26                   | 42                                                      | 43                                                      | 42                                                      | 52                                                        | 49                                                        | 112                                                       | 55                                                        | 69                                                          | 92                                                           | 71                                                          |
| 154                   | 41                   | 47                   | 42                                                      | 42                                                      | 41                                                      | 51                                                        | 46                                                        | 115                                                       | 54                                                        | 69                                                          | 92                                                           | 71                                                          |
| 155                   | 42                   | 8                    | 40                                                      | 41                                                      | 41                                                      | 50                                                        | 44                                                        | 100                                                       | 51                                                        | 68                                                          | 90                                                           | 70                                                          |
| 156                   | 42                   | 29                   | 41                                                      | 40                                                      | 40                                                      | 51                                                        | 46                                                        | 108                                                       | 54                                                        | 70                                                          | 92                                                           | 71                                                          |
| 157                   | 42                   | 50                   | 41                                                      | 41                                                      | 42                                                      | 52                                                        | 46                                                        | 96                                                        | 54                                                        | 70                                                          | 92                                                           | 71                                                          |
| 158                   | 43                   | 11                   | 41                                                      | 41                                                      | 41                                                      | 51                                                        | 47                                                        | 109                                                       | 54                                                        | 70                                                          | 92                                                           | 72                                                          |
| 159                   | 43                   | 32                   | 41                                                      | 42                                                      | 42                                                      | 52                                                        | 50                                                        | 107                                                       | 56                                                        | 70                                                          | 92                                                           | 72                                                          |
| 160                   | 43                   | 53                   | 42                                                      | 42                                                      | 42                                                      | 54                                                        | 48                                                        | 99                                                        | 55                                                        | 69                                                          | 91                                                           | 72                                                          |
| 161                   | 44                   | 14                   | 42                                                      | 43                                                      | 44                                                      | 52                                                        | 47                                                        | 114                                                       | 55                                                        | 70                                                          | 92                                                           | 72                                                          |
| 162                   | 44                   | 35                   | 42                                                      | 43                                                      | 46                                                      | 52                                                        | 46                                                        | 106                                                       | 53                                                        | 69                                                          | 92                                                           | 72                                                          |
| 163                   | 44                   | 57                   | 43                                                      | 42                                                      | 43                                                      | 50                                                        | 47                                                        | 106                                                       | 52                                                        | 70                                                          | 92                                                           | 72                                                          |
| 164                   | 45                   | 18                   | 41                                                      | 41                                                      | 43                                                      | 51                                                        | 45                                                        | 103                                                       | 52                                                        | 68                                                          | 91                                                           | 72                                                          |
| 165                   | 45                   | 39                   | 41                                                      | 41                                                      | 42                                                      | 49                                                        | 45                                                        | 105                                                       | 51                                                        | 69                                                          | 93                                                           | 71                                                          |
| 166                   | 46                   | 0                    | 42                                                      | 44                                                      | 42                                                      | 51                                                        | 49                                                        | 108                                                       | 54                                                        | 70                                                          | 91                                                           | 72                                                          |
| 167                   | 46                   | 21                   | 41                                                      | 42                                                      | 41                                                      | 52                                                        | 48                                                        | 112                                                       | 55                                                        | 70                                                          | 93                                                           | 73                                                          |
| 168                   | 46                   | 42                   | 41                                                      | 42                                                      | 41                                                      | 53                                                        | 48                                                        | 106                                                       | 52                                                        | 70                                                          | 93                                                           | 72                                                          |
| 169                   | 47                   | 3                    | 41                                                      | 41                                                      | 41                                                      | 52                                                        | 47                                                        | 104                                                       | 54                                                        | 71                                                          | 92                                                           | 73                                                          |
| 170                   | 47                   | 24                   | 40                                                      | 42                                                      | 41                                                      | 52                                                        | 46                                                        | 111                                                       | 54                                                        | 71                                                          | 92                                                           | 73                                                          |
| 171                   | 47                   | 46                   | 43                                                      | 40                                                      | 41                                                      | 50                                                        | 48                                                        | 105                                                       | 54                                                        | 70                                                          | 91                                                           | 73                                                          |
| 172                   | 48                   | 7                    | 39                                                      | 41                                                      | 40                                                      | 51                                                        | 46                                                        | 94                                                        | 52                                                        | 70                                                          | 91                                                           | 73                                                          |
| 173                   | 48                   | 28                   | 39                                                      | 41                                                      | 40                                                      | 51                                                        | 46                                                        | 92                                                        | 52                                                        | 70                                                          | 91                                                           | 73                                                          |
| 174                   | 48                   | 49                   | 41                                                      | 42                                                      | 41                                                      | 52                                                        | 46                                                        | 102                                                       | 52                                                        | 70                                                          | 91                                                           | 73                                                          |
| 175                   | 49                   | 10                   | 41                                                      | 42                                                      | 41                                                      | 52                                                        | 47                                                        | 108                                                       | 52                                                        | 71                                                          | 91                                                           | 73                                                          |
| 176                   | 49                   | 31                   | 41                                                      | 43                                                      | 40                                                      | 52                                                        | 46                                                        | 103                                                       | 52                                                        | 71                                                          | 91                                                           | 73                                                          |
| 177                   | 49                   | 57                   | 41                                                      | 41                                                      | 41                                                      | 52                                                        | 47                                                        | 101                                                       | 52                                                        | 70                                                          | 91                                                           | 74                                                          |
| 178                   | 50                   | 13                   | 41                                                      | 42                                                      | 41                                                      | 51                                                        | 48                                                        | 99                                                        | 55                                                        | 71                                                          | 92                                                           | 73                                                          |
| 179                   | 50                   | 34                   | 41                                                      | 42                                                      | 41                                                      | 51                                                        | 46                                                        | 95                                                        | 52                                                        | 70                                                          | 91                                                           | 74                                                          |
| 180                   | 50                   | 56                   | 41                                                      | 42                                                      | 41                                                      | 51                                                        | 46                                                        | 98                                                        | 53                                                        | 71                                                          | 91                                                           | 74                                                          |
| 181                   | 51                   | 17                   | 41                                                      | 42                                                      | 41                                                      | 51                                                        | 48                                                        | 106                                                       | 53                                                        | 71                                                          | 91                                                           | 74                                                          |
| 182                   | 51                   | 36                   | 41                                                      | 41                                                      | 42                                                      | 49                                                        | 49                                                        | 103                                                       | 55                                                        | 71                                                          | 92                                                           | 74                                                          |
| 183                   | 51                   | 59                   | 41                                                      | 41                                                      | 43                                                      | 49                                                        | 47                                                        | 106                                                       | 54                                                        | 71                                                          | 92                                                           | 75                                                          |
| 184                   | 52                   | 20                   | 41                                                      | 41                                                      | 43                                                      | 49                                                        | 46                                                        | 99                                                        | 53                                                        | 71                                                          | 92                                                           | 75                                                          |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G.BOX<br>(STR)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>G.BOX<br>(F FRI)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G.BOX<br>(STR)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------|
| 185                   | 52                   | 41                   | 39                                                      | 41                                                      | 43                                               | 49                                                        | 46                                                        | 108                                                | 53                                                 | 71                                                         | 91                                                           | 74                                                         |
| 186                   | 53                   | 2                    | 39                                                      | 40                                                      | 40                                               | 48                                                        | 47                                                        | 114                                                | 53                                                 | 71                                                         | 91                                                           | 74                                                         |
| 187                   | 53                   | 23                   | 39                                                      | 43                                                      | 39                                               | 48                                                        | 46                                                        | 112                                                | 53                                                 | 71                                                         | 91                                                           | 74                                                         |
| 188                   | 53                   | 44                   | 39                                                      | 40                                                      | 40                                               | 48                                                        | 46                                                        | 112                                                | 52                                                 | 71                                                         | 91                                                           | 75                                                         |
| 189                   | 54                   | 5                    | 39                                                      | 39                                                      | 40                                               | 48                                                        | 46                                                        | 112                                                | 53                                                 | 71                                                         | 91                                                           | 75                                                         |
| 190                   | 54                   | 27                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 46                                                        | 107                                                | 53                                                 | 71                                                         | 91                                                           | 75                                                         |
| 191                   | 54                   | 48                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 111                                                | 52                                                 | 71                                                         | 90                                                           | 75                                                         |
| 192                   | 55                   | 9                    | 39                                                      | 39                                                      | 39                                               | 48                                                        | 47                                                        | 115                                                | 53                                                 | 71                                                         | 91                                                           | 75                                                         |
| 193                   | 55                   | 30                   | 39                                                      | 39                                                      | 40                                               | 48                                                        | 46                                                        | 115                                                | 52                                                 | 71                                                         | 92                                                           | 75                                                         |
| 194                   | 55                   | 51                   | 39                                                      | 39                                                      | 40                                               | 48                                                        | 46                                                        | 112                                                | 53                                                 | 72                                                         | 91                                                           | 74                                                         |
| 195                   | 56                   | 12                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 46                                                        | 113                                                | 53                                                 | 71                                                         | 91                                                           | 75                                                         |
| 196                   | 56                   | 33                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 46                                                        | 112                                                | 52                                                 | 71                                                         | 91                                                           | 74                                                         |
| 197                   | 56                   | 54                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 105                                                | 52                                                 | 71                                                         | 91                                                           | 74                                                         |
| 198                   | 57                   | 15                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 98                                                 | 51                                                 | 70                                                         | 89                                                           | 74                                                         |
| 199                   | 57                   | 36                   | 39                                                      | 39                                                      | 39                                               | 46                                                        | 44                                                        | 91                                                 | 49                                                 | 71                                                         | 89                                                           | 72                                                         |
| 200                   | 57                   | 57                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 44                                                        | 69                                                 | 48                                                 | 70                                                         | 89                                                           | 72                                                         |
| 201                   | 58                   | 18                   | 39                                                      | 39                                                      | 40                                               | 49                                                        | 44                                                        | 60                                                 | 48                                                 | 70                                                         | 88                                                           | 73                                                         |
| 202                   | 58                   | 39                   | 39                                                      | 40                                                      | 40                                               | 49                                                        | 45                                                        | 58                                                 | 48                                                 | 70                                                         | 88                                                           | 73                                                         |
| 203                   | 59                   | 0                    | 39                                                      | 40                                                      | 41                                               | 50                                                        | 44                                                        | 57                                                 | 49                                                 | 70                                                         | 88                                                           | 72                                                         |
| 204                   | 59                   | 21                   | 39                                                      | 40                                                      | 41                                               | 50                                                        | 45                                                        | 56                                                 | 49                                                 | 70                                                         | 89                                                           | 72                                                         |
| 205                   | 59                   | 42                   | 39                                                      | 40                                                      | 41                                               | 50                                                        | 46                                                        | 56                                                 | 49                                                 | 70                                                         | 89                                                           | 72                                                         |
| 206                   | 60                   | 3                    | 39                                                      | 40                                                      | 41                                               | 51                                                        | 44                                                        | 56                                                 | 48                                                 | 70                                                         | 88                                                           | 72                                                         |
| 207                   | 60                   | 25                   | 39                                                      | 40                                                      | 41                                               | 47                                                        | 44                                                        | 78                                                 | 48                                                 | 69                                                         | 86                                                           | 73                                                         |
| 208                   | 60                   | 46                   | 39                                                      | 39                                                      | 41                                               | 48                                                        | 46                                                        | 92                                                 | 51                                                 | 70                                                         | 86                                                           | 73                                                         |
| 209                   | 61                   | 7                    | 39                                                      | 40                                                      | 39                                               | 48                                                        | 46                                                        | 96                                                 | 52                                                 | 71                                                         | 86                                                           | 74                                                         |
| 210                   | 61                   | 28                   | 39                                                      | 40                                                      | 39                                               | 49                                                        | 45                                                        | 95                                                 | 53                                                 | 71                                                         | 86                                                           | 73                                                         |
| 211                   | 61                   | 49                   | 39                                                      | 40                                                      | 40                                               | 49                                                        | 46                                                        | 98                                                 | 52                                                 | 71                                                         | 86                                                           | 73                                                         |
| 212                   | 62                   | 10                   | 39                                                      | 40                                                      | 40                                               | 48                                                        | 46                                                        | 100                                                | 52                                                 | 71                                                         | 86                                                           | 73                                                         |
| 213                   | 62                   | 31                   | 39                                                      | 40                                                      | 39                                               | 49                                                        | 45                                                        | 101                                                | 52                                                 | 71                                                         | 86                                                           | 73                                                         |
| 214                   | 62                   | 52                   | 39                                                      | 40                                                      | 39                                               | 48                                                        | 46                                                        | 99                                                 | 53                                                 | *                                                          | *                                                            | 74                                                         |
| 215                   | 63                   | 13                   | 39                                                      | 40                                                      | 39                                               | 48                                                        | 45                                                        | 104                                                | 52                                                 | 72                                                         | 87                                                           | 74                                                         |
| 216                   | 63                   | 34                   | 39                                                      | 40                                                      | 39                                               | 48                                                        | 45                                                        | 106                                                | 52                                                 | 71                                                         | 87                                                           | 73                                                         |
| 217                   | 63                   | 56                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 105                                                | 52                                                 | 71                                                         | 88                                                           | 74                                                         |
| 218                   | 64                   | 17                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 108                                                | 52                                                 | 72                                                         | 88                                                           | 75                                                         |
| 219                   | 64                   | 38                   | 39                                                      | 40                                                      | 39                                               | 49                                                        | 45                                                        | 105                                                | 52                                                 | 71                                                         | 88                                                           | 74                                                         |
| 220                   | 64                   | 59                   | 39                                                      | 40                                                      | 39                                               | 49                                                        | 45                                                        | 106                                                | 52                                                 | 71                                                         | 89                                                           | 74                                                         |
| 221                   | 65                   | 20                   | 39                                                      | 40                                                      | 39                                               | 48                                                        | 45                                                        | 107                                                | 52                                                 | 71                                                         | 89                                                           | 73                                                         |
| 222                   | 65                   | 41                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 106                                                | 52                                                 | 71                                                         | 89                                                           | 75                                                         |
| 223                   | 66                   | 2                    | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 104                                                | 52                                                 | 71                                                         | 89                                                           | 74                                                         |
| 224                   | 66                   | 23                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 106                                                | 52                                                 | 71                                                         | 89                                                           | 74                                                         |
| 225                   | 66                   | 44                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 108                                                | 52                                                 | 71                                                         | 89                                                           | 74                                                         |
| 226                   | 67                   | 6                    | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 106                                                | 53                                                 | 71                                                         | 89                                                           | 74                                                         |
| 227                   | 67                   | 27                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 104                                                | 53                                                 | 71                                                         | 89                                                           | 74                                                         |
| 228                   | 67                   | 48                   | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 106                                                | 52                                                 | 71                                                         | 90                                                           | 74                                                         |
| 229                   | 68                   | 9                    | 39                                                      | 39                                                      | 39                                               | 48                                                        | 45                                                        | 105                                                | 52                                                 | 71                                                         | 90                                                           | 75                                                         |
| 230                   | 68                   | 30                   | 39                                                      | 40                                                      | 39                                               | 48                                                        | 45                                                        | 102                                                | 53                                                 | 72                                                         | 90                                                           | 75                                                         |
| 231                   | 68                   | 51                   | 39                                                      | 40                                                      | 40                                               | 49                                                        | 46                                                        | 95                                                 | 53                                                 | 72                                                         | 90                                                           | 75                                                         |
| 232                   | 69                   | 12                   | 39                                                      | 41                                                      | 39                                               | 49                                                        | 45                                                        | 95                                                 | 52                                                 | 71                                                         | 91                                                           | 75                                                         |
| 233                   | 69                   | 37                   | 39                                                      | 39                                                      | 39                                               | 51                                                        | 42                                                        | 99                                                 | 50                                                 | 68                                                         | 91                                                           | 71                                                         |
| 234                   | 69                   | 54                   | 39                                                      | 39                                                      | 39                                               | 49                                                        | 42                                                        | 88                                                 | 48                                                 | 67                                                         | 86                                                           | 71                                                         |

| -01<br>SWEET<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 5-10<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FND<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FND<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>FND<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>FND<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G.BOX<br>(STRT)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>G.BOX<br>(F FRI)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G.BOX<br>(STRT)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|
| 235                   | 70                   | 15                   | 39                                                      | 39                                                      | 39                                                      | 46                                                        | 42                                                        | 13                                                        | 46                                                        | 68                                                          | 66                                                           | 70                                                          |
| 236                   | 70                   | 36                   | 37                                                      | 39                                                      | 39                                                      | 45                                                        | 43                                                        | 65                                                        | 45                                                        | 68                                                          | 66                                                           | 67                                                          |
| 237                   | 70                   | 57                   | 38                                                      | 38                                                      | 39                                                      | 42                                                        | 44                                                        | 69                                                        | 46                                                        | 67                                                          | 65                                                           | 67                                                          |
| 238                   | 71                   | 18                   | 37                                                      | 39                                                      | 39                                                      | 41                                                        | 45                                                        | 73                                                        | 46                                                        | 68                                                          | 90                                                           | 67                                                          |
| 239                   | 71                   | 39                   | 37                                                      | 38                                                      | 39                                                      | 41                                                        | 45                                                        | 75                                                        | 46                                                        | 67                                                          | 65                                                           | 66                                                          |
| 240                   | 72                   | 0                    | 36                                                      | 37                                                      | 38                                                      | 40                                                        | 41                                                        | 74                                                        | 44                                                        | 66                                                          | 82                                                           | 66                                                          |
| 241                   | 72                   | 21                   | 36                                                      | 36                                                      | 37                                                      | 38                                                        | 38                                                        | 71                                                        | 43                                                        | 65                                                          | 80                                                           | 66                                                          |
| 242                   | 72                   | 42                   | 37                                                      | 37                                                      | 38                                                      | 42                                                        | 42                                                        | 70                                                        | 44                                                        | 66                                                          | 82                                                           | 66                                                          |
| 243                   | 73                   | 3                    | 37                                                      | 38                                                      | 38                                                      | 41                                                        | 39                                                        | 59                                                        | 45                                                        | 68                                                          | 83                                                           | 65                                                          |
| 244                   | 73                   | 24                   | 37                                                      | 37                                                      | 38                                                      | 40                                                        | 39                                                        | 72                                                        | 45                                                        | 67                                                          | 83                                                           | 64                                                          |
| 245                   | 73                   | 45                   | 36                                                      | 37                                                      | 38                                                      | 42                                                        | 41                                                        | 76                                                        | 45                                                        | 68                                                          | 81                                                           | 65                                                          |
| 246                   | 74                   | 6                    | 37                                                      | 38                                                      | 38                                                      | 45                                                        | 44                                                        | 86                                                        | 49                                                        | 68                                                          | 82                                                           | 66                                                          |
| 247                   | 74                   | 27                   | 37                                                      | 38                                                      | 38                                                      | 45                                                        | 44                                                        | 89                                                        | 49                                                        | 68                                                          | 82                                                           | 67                                                          |
| 248                   | 74                   | 49                   | 37                                                      | 38                                                      | 38                                                      | 45                                                        | 45                                                        | 97                                                        | 51                                                        | 68                                                          | 83                                                           | 67                                                          |
| 249                   | 75                   | 10                   | 38                                                      | 39                                                      | 38                                                      | 46                                                        | 45                                                        | 106                                                       | 51                                                        | 68                                                          | 84                                                           | 67                                                          |
| 250                   | 75                   | 31                   | 38                                                      | 38                                                      | 38                                                      | 46                                                        | 45                                                        | 110                                                       | 52                                                        | 68                                                          | 85                                                           | 68                                                          |
| 251                   | 75                   | 52                   | 38                                                      | 39                                                      | 38                                                      | 46                                                        | 45                                                        | 107                                                       | 51                                                        | 68                                                          | 83                                                           | 68                                                          |
| 252                   | 76                   | 13                   | 39                                                      | 39                                                      | 38                                                      | 46                                                        | 45                                                        | 109                                                       | 51                                                        | 68                                                          | 84                                                           | 69                                                          |
| 253                   | 76                   | 34                   | 38                                                      | 38                                                      | 38                                                      | 45                                                        | 45                                                        | 110                                                       | 51                                                        | 68                                                          | 85                                                           | 66                                                          |
| 254                   | 76                   | 55                   | 38                                                      | 39                                                      | 39                                                      | 47                                                        | 45                                                        | 108                                                       | 52                                                        | 68                                                          | 86                                                           | 68                                                          |
| 255                   | 77                   | 16                   | 37                                                      | 39                                                      | 39                                                      | 47                                                        | 45                                                        | 106                                                       | 51                                                        | 68                                                          | 86                                                           | 69                                                          |
| 256                   | 77                   | 37                   | 38                                                      | 38                                                      | 39                                                      | 46                                                        | 45                                                        | 105                                                       | 51                                                        | 68                                                          | 86                                                           | 68                                                          |
| 257                   | 77                   | 59                   | 39                                                      | 39                                                      | 39                                                      | 46                                                        | 45                                                        | 108                                                       | 52                                                        | 68                                                          | 86                                                           | 69                                                          |
| 258                   | 78                   | 20                   | 38                                                      | 39                                                      | 39                                                      | 45                                                        | 45                                                        | 104                                                       | 52                                                        | 68                                                          | 86                                                           | 70                                                          |
| 259                   | 78                   | 41                   | 39                                                      | 39                                                      | 39                                                      | 47                                                        | 45                                                        | 102                                                       | 52                                                        | 68                                                          | 88                                                           | 69                                                          |
| 260                   | 79                   | 2                    | 39                                                      | 39                                                      | 39                                                      | 47                                                        | 45                                                        | 103                                                       | 52                                                        | 68                                                          | 88                                                           | 69                                                          |
| 261                   | 79                   | 23                   | 38                                                      | 39                                                      | 39                                                      | 46                                                        | 45                                                        | 107                                                       | 52                                                        | 68                                                          | 88                                                           | 70                                                          |
| 262                   | 79                   | 44                   | 38                                                      | 39                                                      | 39                                                      | 46                                                        | 45                                                        | 104                                                       | 52                                                        | 68                                                          | 89                                                           | 70                                                          |
| 263                   | 80                   | 5                    | 39                                                      | 39                                                      | 39                                                      | 49                                                        | 45                                                        | 96                                                        | 52                                                        | 69                                                          | 88                                                           | 70                                                          |
| 264                   | 80                   | 27                   | 39                                                      | 39                                                      | 39                                                      | 49                                                        | 45                                                        | 99                                                        | 52                                                        | 69                                                          | 93                                                           | 70                                                          |
| 265                   | 80                   | 48                   | 38                                                      | 39                                                      | 39                                                      | 48                                                        | 45                                                        | 103                                                       | 52                                                        | 69                                                          | 90                                                           | 69                                                          |
| 266                   | 81                   | 9                    | 39                                                      | 39                                                      | 39                                                      | 49                                                        | 46                                                        | 101                                                       | 52                                                        | 69                                                          | 89                                                           | 70                                                          |
| 267                   | 81                   | 30                   | 41                                                      | 40                                                      | 40                                                      | 48                                                        | 45                                                        | 100                                                       | 52                                                        | 68                                                          | 88                                                           | 71                                                          |
| 268                   | 81                   | 51                   | 39                                                      | 40                                                      | 40                                                      | 47                                                        | 44                                                        | 99                                                        | 51                                                        | 68                                                          | 89                                                           | 70                                                          |
| 269                   | 82                   | 12                   | 39                                                      | 40                                                      | 40                                                      | 45                                                        | 44                                                        | 93                                                        | 49                                                        | 68                                                          | 88                                                           | 70                                                          |
| 270                   | 82                   | 33                   | 40                                                      | 40                                                      | 41                                                      | 46                                                        | 42                                                        | 68                                                        | 49                                                        | 68                                                          | 88                                                           | 70                                                          |
| 271                   | 82                   | 54                   | 40                                                      | 40                                                      | 41                                                      | 49                                                        | 43                                                        | 59                                                        | 48                                                        | 69                                                          | 89                                                           | 70                                                          |
| 272                   | 83                   | 15                   | 39                                                      | 40                                                      | 41                                                      | 50                                                        | 42                                                        | 56                                                        | 48                                                        | 68                                                          | 88                                                           | 70                                                          |
| 273                   | 83                   | 36                   | 39                                                      | 40                                                      | 41                                                      | 51                                                        | 44                                                        | 56                                                        | 47                                                        | 63                                                          | 91                                                           | 69                                                          |
| 274                   | 83                   | 57                   | 39                                                      | 40                                                      | 42                                                      | 51                                                        | 44                                                        | 56                                                        | 46                                                        | 68                                                          | 87                                                           | 69                                                          |
| 275                   | 84                   | 18                   | 39                                                      | 40                                                      | 40                                                      | 50                                                        | 43                                                        | 55                                                        | 47                                                        | 68                                                          | 87                                                           | 70                                                          |
| 276                   | 84                   | 39                   | 39                                                      | 40                                                      | 41                                                      | 50                                                        | 44                                                        | 56                                                        | 47                                                        | 69                                                          | 86                                                           | 69                                                          |
| 277                   | 85                   | 0                    | 39                                                      | 40                                                      | 41                                                      | 50                                                        | 44                                                        | 55                                                        | 47                                                        | 68                                                          | 85                                                           | 69                                                          |
| 278                   | 85                   | 21                   | 39                                                      | 40                                                      | 41                                                      | 50                                                        | 42                                                        | 54                                                        | 46                                                        | 67                                                          | 86                                                           | 70                                                          |
| 279                   | 85                   | 42                   | 39                                                      | 39                                                      | 41                                                      | 49                                                        | 43                                                        | 54                                                        | 46                                                        | 67                                                          | 84                                                           | 69                                                          |
| 280                   | 85                   | 3                    | 39                                                      | 40                                                      | 43                                                      | 48                                                        | 45                                                        | 78                                                        | 49                                                        | 68                                                          | 86                                                           | 69                                                          |
| 281                   | 86                   | 24                   | 39                                                      | 40                                                      | 40                                                      | 48                                                        | 47                                                        | 79                                                        | 51                                                        | 68                                                          | 83                                                           | 69                                                          |
| 282                   | 86                   | 46                   | 39                                                      | 40                                                      | 40                                                      | 48                                                        | 46                                                        | 84                                                        | 50                                                        | 68                                                          | 82                                                           | 69                                                          |
| 283                   | 87                   | 7                    | 39                                                      | 40                                                      | 39                                                      | 49                                                        | 45                                                        | 83                                                        | 50                                                        | 68                                                          | 82                                                           | 69                                                          |
| 284                   | 87                   | 28                   | 39                                                      | 40                                                      | 39                                                      | 49                                                        | 44                                                        | 84                                                        | 49                                                        | 68                                                          | 83                                                           | 69                                                          |

| SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG. 1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG. 1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG. 1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG. 1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG. 1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG. 1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG. 1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG. 1<br>ACCESS<br>G. BOX<br>(F. PRI)<br>TEMP<br>DEG.C | 6-26<br>ENG. 1<br>ACCESS<br>G. BOX<br>(F. PRI)<br>TEMP<br>DEG.C | 6-27<br>ENG. 2<br>ACCESS<br>G. BOX<br>(STRIT)<br>TEMP<br>DEG.C |
|----------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|
| 285            | 87                   | 49                   | 36                                                       | 40                                                       | 39                                                       | 48                                                         | 44                                                         | 92                                                         | 58                                                         | 68                                                              | 85                                                              | 70                                                             |
| 286            | 88                   | 10                   | 38                                                       | 40                                                       | 39                                                       | 48                                                         | 44                                                         | 87                                                         | 49                                                         | 68                                                              | 83                                                              | 70                                                             |
| 287            | 88                   | 31                   | 38                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 96                                                         | 51                                                         | 67                                                              | 85                                                              | 70                                                             |
| 288            | 88                   | 53                   | 38                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 99                                                         | 51                                                         | 68                                                              | 84                                                              | 69                                                             |
| 289            | 89                   | 14                   | 38                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 93                                                         | 50                                                         | 68                                                              | 84                                                              | 70                                                             |
| 290            | 89                   | 35                   | 38                                                       | 39                                                       | 40                                                       | 48                                                         | 45                                                         | 96                                                         | 50                                                         | 67                                                              | 85                                                              | 69                                                             |
| 291            | 89                   | 56                   | 38                                                       | 39                                                       | 40                                                       | 48                                                         | 45                                                         | 99                                                         | 49                                                         | 67                                                              | 85                                                              | 70                                                             |
| 292            | 90                   | 17                   | 38                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 98                                                         | 51                                                         | 67                                                              | 86                                                              | 70                                                             |
| 293            | 90                   | 38                   | 38                                                       | 39                                                       | 39                                                       | 48                                                         | 46                                                         | 98                                                         | 51                                                         | 67                                                              | 85                                                              | 70                                                             |
| 294            | 90                   | 59                   | 38                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 92                                                         | 51                                                         | 67                                                              | 86                                                              | 70                                                             |
| 295            | 91                   | 21                   | 38                                                       | 39                                                       | 40                                                       | 48                                                         | 46                                                         | 86                                                         | 51                                                         | 68                                                              | 86                                                              | 70                                                             |
| 296            | 91                   | 42                   | 38                                                       | 40                                                       | 40                                                       | 48                                                         | 46                                                         | 84                                                         | 51                                                         | 67                                                              | 86                                                              | 71                                                             |
| 297            | 92                   | 3                    | 39                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 84                                                         | 51                                                         | 67                                                              | 86                                                              | 71                                                             |
| 298            | 92                   | 24                   | 39                                                       | 39                                                       | 41                                                       | 48                                                         | 46                                                         | 85                                                         | 51                                                         | 68                                                              | 86                                                              | 78                                                             |
| 299            | 92                   | 45                   | 39                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 82                                                         | 52                                                         | 68                                                              | 85                                                              | 70                                                             |
| 300            | 93                   | 6                    | 39                                                       | 40                                                       | 40                                                       | 48                                                         | 45                                                         | 88                                                         | 51                                                         | 68                                                              | 87                                                              | 70                                                             |
| 301            | 93                   | 27                   | 39                                                       | 40                                                       | 39                                                       | 48                                                         | 45                                                         | 83                                                         | 51                                                         | 68                                                              | 86                                                              | 70                                                             |
| 302            | 93                   | 49                   | 39                                                       | 40                                                       | 43                                                       | 48                                                         | 46                                                         | 100                                                        | 51                                                         | 68                                                              | 87                                                              | 71                                                             |
| 303            | 94                   | 10                   | 39                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 95                                                         | 51                                                         | 66                                                              | 86                                                              | 71                                                             |
| 304            | 94                   | 31                   | 39                                                       | 39                                                       | 39                                                       | 49                                                         | 46                                                         | 91                                                         | 52                                                         | 68                                                              | 87                                                              | 70                                                             |
| 305            | 94                   | 52                   | 39                                                       | 39                                                       | 40                                                       | 48                                                         | 46                                                         | 86                                                         | 52                                                         | 68                                                              | 87                                                              | 71                                                             |
| 306            | 95                   | 13                   | 39                                                       | 39                                                       | 39                                                       | 48                                                         | 46                                                         | 85                                                         | 52                                                         | 68                                                              | 88                                                              | 71                                                             |
| 307            | 95                   | 34                   | 39                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 89                                                         | 52                                                         | 68                                                              | 88                                                              | 71                                                             |
| 308            | 95                   | 55                   | 39                                                       | 40                                                       | 39                                                       | 48                                                         | 45                                                         | 86                                                         | 51                                                         | 68                                                              | 87                                                              | 71                                                             |
| 309            | 96                   | 17                   | 39                                                       | 39                                                       | 39                                                       | 48                                                         | 45                                                         | 86                                                         | 51                                                         | 68                                                              | 88                                                              | 72                                                             |
| 310            | 96                   | 38                   | 39                                                       | 39                                                       | 39                                                       | 49                                                         | 45                                                         | 96                                                         | 51                                                         | 69                                                              | 88                                                              | 72                                                             |
| 311            | 96                   | 59                   | 39                                                       | 40                                                       | 39                                                       | 49                                                         | 45                                                         | 96                                                         | 51                                                         | 69                                                              | 91                                                              | 72                                                             |
| 312            | 97                   | 20                   | 40                                                       | 41                                                       | 41                                                       | 49                                                         | 48                                                         | 87                                                         | 54                                                         | 69                                                              | 88                                                              | 71                                                             |
| 313            | 97                   | 41                   | 40                                                       | 40                                                       | 40                                                       | 49                                                         | 45                                                         | 94                                                         | 52                                                         | 69                                                              | 89                                                              | 72                                                             |
| 314            | 98                   | 2                    | 40                                                       | 41                                                       | 41                                                       | 46                                                         | 44                                                         | 88                                                         | 50                                                         | 70                                                              | 89                                                              | 72                                                             |
| 315            | 98                   | 23                   | 40                                                       | 41                                                       | 42                                                       | 49                                                         | 46                                                         | 65                                                         | 50                                                         | 69                                                              | 89                                                              | 72                                                             |
| 316            | 98                   | 44                   | 41                                                       | 41                                                       | 41                                                       | 51                                                         | 50                                                         | 62                                                         | 53                                                         | 70                                                              | 89                                                              | 71                                                             |
| 317            | 99                   | 5                    | 40                                                       | 41                                                       | 42                                                       | 51                                                         | 47                                                         | 59                                                         | 51                                                         | 69                                                              | 88                                                              | 72                                                             |
| 318            | 99                   | 26                   | 41                                                       | 41                                                       | 41                                                       | 51                                                         | 45                                                         | 59                                                         | 50                                                         | 69                                                              | 88                                                              | 72                                                             |
| 319            | 99                   | 47                   | 41                                                       | 41                                                       | 42                                                       | 51                                                         | 48                                                         | 59                                                         | 52                                                         | 69                                                              | 91                                                              | 71                                                             |
| 320            | 100                  | 8                    | 41                                                       | 41                                                       | 42                                                       | 52                                                         | 48                                                         | 59                                                         | 52                                                         | 70                                                              | 87                                                              | 72                                                             |
| 321            | 100                  | 29                   | 41                                                       | 43                                                       | 42                                                       | 53                                                         | 52                                                         | 59                                                         | 55                                                         | 70                                                              | 87                                                              | 71                                                             |
| 322            | 100                  | 50                   | 43                                                       | 43                                                       | 43                                                       | 53                                                         | 52                                                         | 59                                                         | 56                                                         | 70                                                              | 87                                                              | 72                                                             |
| 323            | 101                  | 11                   | 43                                                       | 43                                                       | 42                                                       | 52                                                         | 52                                                         | 59                                                         | 55                                                         | 70                                                              | 86                                                              | 71                                                             |
| 324            | 101                  | 32                   | 43                                                       | 43                                                       | 43                                                       | 53                                                         | 52                                                         | 60                                                         | 56                                                         | 70                                                              | 88                                                              | 71                                                             |
| 325            | 101                  | 53                   | 42                                                       | 42                                                       | 42                                                       | 50                                                         | 49                                                         | 59                                                         | 52                                                         | 68                                                              | 83                                                              | 70                                                             |
| 326            | 102                  | 14                   | 42                                                       | 43                                                       | 41                                                       | 50                                                         | 48                                                         | 87                                                         | 52                                                         | 68                                                              | 85                                                              | 70                                                             |
| 327            | 102                  | 36                   | 40                                                       | 41                                                       | 41                                                       | 49                                                         | 47                                                         | 94                                                         | 51                                                         | 69                                                              | 83                                                              | 71                                                             |
| 328            | 102                  | 57                   | 40                                                       | 41                                                       | 41                                                       | 49                                                         | 46                                                         | 96                                                         | 51                                                         | 69                                                              | 83                                                              | 70                                                             |
| 329            | 103                  | 18                   | 39                                                       | 41                                                       | 40                                                       | 49                                                         | 45                                                         | 93                                                         | 51                                                         | 69                                                              | 83                                                              | 71                                                             |
| 330            | 103                  | 39                   | 40                                                       | 40                                                       | 40                                                       | 48                                                         | 45                                                         | 88                                                         | 50                                                         | 68                                                              | 84                                                              | 70                                                             |
| 331            | 104                  | 0                    | 38                                                       | 40                                                       | 39                                                       | 48                                                         | 46                                                         | 101                                                        | 51                                                         | 69                                                              | 86                                                              | 71                                                             |
| 332            | 104                  | 22                   | 39                                                       | 41                                                       | 40                                                       | 48                                                         | 45                                                         | 96                                                         | 51                                                         | 69                                                              | 83                                                              | 71                                                             |
| 333            | 104                  | 43                   | 39                                                       | 40                                                       | 40                                                       | 48                                                         | 46                                                         | 100                                                        | 52                                                         | 69                                                              | 85                                                              | 71                                                             |
| 334            | 105                  | 4                    | 39                                                       | 41                                                       | 40                                                       | 48                                                         | 45                                                         | 102                                                        | 52                                                         | 70                                                              | 86                                                              | 72                                                             |

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG-1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG-1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG-1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG-1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG-1<br>ACCESS<br>S.BOX<br>(STR1)<br>TEMP<br>DEG.C | 6-26<br>ENG-1<br>ACCESS<br>S.BOX<br>(IF FR)<br>TEMP<br>DEG.C | 6-27<br>ENG-2<br>ACCESS<br>S.BOX<br>(STR1)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|
| 335                   | 105                  | 25                   | 39                                                      | 40                                                      | 39                                                      | 48                                                        | 46                                                        | 99                                                        | 52                                                        | 69                                                          | 86                                                           | 72                                                          |
| 336                   | 105                  | 46                   | 38                                                      | 40                                                      | 40                                                      | 48                                                        | 44                                                        | 92                                                        | 51                                                        | 69                                                          | 86                                                           | 72                                                          |
| 337                   | 106                  | 7                    | 39                                                      | 39                                                      | 39                                                      | 48                                                        | 45                                                        | 92                                                        | 51                                                        | 69                                                          | 87                                                           | 71                                                          |
| 338                   | 106                  | 20                   | 39                                                      | 39                                                      | 39                                                      | 48                                                        | 42                                                        | 101                                                       | 51                                                        | 69                                                          | 86                                                           | 71                                                          |
| 339                   | 106                  | 50                   | 39                                                      | 39                                                      | 39                                                      | 48                                                        | 45                                                        | 101                                                       | 52                                                        | 69                                                          | 86                                                           | 72                                                          |
| 340                   | 107                  | 11                   | 39                                                      | 39                                                      | 39                                                      | 48                                                        | 41                                                        | 91                                                        | 51                                                        | 66                                                          | 90                                                           | 71                                                          |
| 341                   | 107                  | 32                   | 39                                                      | 38                                                      | 38                                                      | 47                                                        | 44                                                        | 91                                                        | 51                                                        | 69                                                          | 86                                                           | 71                                                          |
| 342                   | 107                  | 53                   | 38                                                      | 38                                                      | 40                                                      | 48                                                        | 46                                                        | 90                                                        | 51                                                        | 69                                                          | 87                                                           | 72                                                          |
| 343                   | 108                  | 14                   | 39                                                      | 40                                                      | 39                                                      | 48                                                        | 46                                                        | 93                                                        | 51                                                        | 70                                                          | 86                                                           | 71                                                          |
| 344                   | 108                  | 35                   | 38                                                      | 40                                                      | 40                                                      | 49                                                        | 45                                                        | 98                                                        | 51                                                        | 69                                                          | 88                                                           | 72                                                          |
| 345                   | 108                  | 57                   | 41                                                      | 41                                                      | 41                                                      | 49                                                        | 49                                                        | 91                                                        | 53                                                        | 69                                                          | 88                                                           | 72                                                          |
| 346                   | 109                  | 16                   | 40                                                      | 40                                                      | 40                                                      | 49                                                        | 46                                                        | 96                                                        | 52                                                        | 70                                                          | 87                                                           | 72                                                          |
| 347                   | 109                  | 39                   | 39                                                      | 41                                                      | 40                                                      | 49                                                        | 46                                                        | 97                                                        | 51                                                        | 70                                                          | 88                                                           | 72                                                          |
| 348                   | 110                  | 0                    | 39                                                      | 40                                                      | 40                                                      | 48                                                        | 42                                                        | 98                                                        | 51                                                        | 69                                                          | 88                                                           | 71                                                          |
| 349                   | 110                  | 21                   | 38                                                      | 39                                                      | 39                                                      | 48                                                        | 44                                                        | 88                                                        | 49                                                        | 68                                                          | 86                                                           | 71                                                          |
| 350                   | 110                  | 43                   | 38                                                      | 39                                                      | 40                                                      | 48                                                        | 45                                                        | 100                                                       | 51                                                        | 69                                                          | 88                                                           | 72                                                          |
| 351                   | 111                  | 4                    | 38                                                      | 39                                                      | 39                                                      | 49                                                        | 42                                                        | 91                                                        | 49                                                        | 68                                                          | 86                                                           | 71                                                          |
| 352                   | 111                  | 25                   | 39                                                      | 40                                                      | 40                                                      | 48                                                        | 44                                                        | 95                                                        | 50                                                        | 68                                                          | 87                                                           | 71                                                          |
| 353                   | 111                  | 46                   | 39                                                      | 39                                                      | 39                                                      | 48                                                        | 45                                                        | 70                                                        | 49                                                        | 68                                                          | 87                                                           | 70                                                          |
| 354                   | 112                  | 7                    | 39                                                      | 39                                                      | 41                                                      | 49                                                        | 45                                                        | 59                                                        | 48                                                        | 68                                                          | 86                                                           | 70                                                          |
| 355                   | 112                  | 28                   | 39                                                      | 40                                                      | 41                                                      | 50                                                        | 45                                                        | 58                                                        | 48                                                        | 68                                                          | 87                                                           | 70                                                          |
| 356                   | 112                  | 49                   | 39                                                      | 40                                                      | 40                                                      | 49                                                        | 44                                                        | 58                                                        | 47                                                        | 68                                                          | 87                                                           | 70                                                          |
| 357                   | 113                  | 10                   | 39                                                      | 40                                                      | 40                                                      | 49                                                        | 44                                                        | 58                                                        | 45                                                        | 68                                                          | 86                                                           | 69                                                          |
| 358                   | 113                  | 31                   | 39                                                      | 40                                                      | 42                                                      | 50                                                        | 44                                                        | 55                                                        | 48                                                        | 68                                                          | 86                                                           | 69                                                          |
| 359                   | 113                  | 52                   | 42                                                      | 41                                                      | 42                                                      | 49                                                        | 45                                                        | 55                                                        | 48                                                        | 68                                                          | 86                                                           | 70                                                          |
| 360                   | 114                  | 13                   | 42                                                      | 42                                                      | 42                                                      | 50                                                        | 45                                                        | 56                                                        | 48                                                        | 69                                                          | 87                                                           | 69                                                          |
| 361                   | 114                  | 34                   | 43                                                      | 41                                                      | 42                                                      | 51                                                        | 45                                                        | 55                                                        | 48                                                        | 68                                                          | 89                                                           | 70                                                          |
| 362                   | 114                  | 55                   | 43                                                      | 41                                                      | 42                                                      | 51                                                        | 45                                                        | 55                                                        | 48                                                        | 69                                                          | 86                                                           | 70                                                          |
| 363                   | 115                  | 16                   | 41                                                      | 41                                                      | 41                                                      | 50                                                        | 44                                                        | 55                                                        | 45                                                        | 67                                                          | 90                                                           | 68                                                          |
| 364                   | 115                  | 38                   | 41                                                      | 42                                                      | 42                                                      | 51                                                        | 46                                                        | 59                                                        | 49                                                        | 69                                                          | 85                                                           | 70                                                          |
| 365                   | 115                  | 59                   | 42                                                      | 42                                                      | 42                                                      | 62                                                        | 45                                                        | 91                                                        | 52                                                        | 69                                                          | 85                                                           | 70                                                          |
| 366                   | 116                  | 20                   | 41                                                      | 42                                                      | 42                                                      | 82                                                        | 44                                                        | 118                                                       | 52                                                        | 69                                                          | 84                                                           | 71                                                          |
| 367                   | 116                  | 41                   | 42                                                      | 42                                                      | 41                                                      | 89                                                        | 45                                                        | 127                                                       | 52                                                        | 70                                                          | 83                                                           | 71                                                          |
| 368                   | 119                  | 17                   | 42                                                      | 41                                                      | 42                                                      | 82                                                        | 44                                                        | 113                                                       | 53                                                        | 70                                                          | 79                                                           | 71                                                          |
| 369                   | 119                  | 51                   | 41                                                      | 41                                                      | 42                                                      | 75                                                        | 44                                                        | 106                                                       | 52                                                        | 71                                                          | 79                                                           | 71                                                          |
| 370                   | 120                  | 12                   | 42                                                      | 41                                                      | 42                                                      | 72                                                        | 44                                                        | 105                                                       | 50                                                        | 69                                                          | 78                                                           | 71                                                          |
| 371                   | 120                  | 34                   | 42                                                      | 42                                                      | 42                                                      | 75                                                        | 44                                                        | 105                                                       | 49                                                        | 70                                                          | 77                                                           | 71                                                          |
| 372                   | 120                  | 56                   | 42                                                      | 42                                                      | 41                                                      | 76                                                        | 44                                                        | 106                                                       | 50                                                        | 70                                                          | 76                                                           | 72                                                          |
| 373                   | 121                  | 17                   | 42                                                      | 42                                                      | 42                                                      | 76                                                        | 44                                                        | 105                                                       | 51                                                        | 70                                                          | 77                                                           | 71                                                          |
| 374                   | 121                  | 39                   | 42                                                      | 42                                                      | 42                                                      | 77                                                        | 44                                                        | 103                                                       | 50                                                        | 70                                                          | 77                                                           | 72                                                          |
| 375                   | 123                  | 20                   | 42                                                      | 41                                                      | 41                                                      | 77                                                        | 42                                                        | 105                                                       | 48                                                        | 70                                                          | 75                                                           | 72                                                          |
| 376                   | 123                  | 42                   | 42                                                      | 41                                                      | 42                                                      | 76                                                        | 42                                                        | 104                                                       | 49                                                        | 70                                                          | 74                                                           | 72                                                          |
| 377                   | 124                  | 7                    | 43                                                      | 42                                                      | 41                                                      | 76                                                        | 42                                                        | 103                                                       | 48                                                        | 70                                                          | 74                                                           | 72                                                          |
| 378                   | 124                  | 25                   | 42                                                      | 42                                                      | 41                                                      | 75                                                        | 42                                                        | 103                                                       | 48                                                        | 70                                                          | 74                                                           | 72                                                          |
| 379                   | 124                  | 47                   | 43                                                      | 42                                                      | 41                                                      | 76                                                        | 42                                                        | 103                                                       | 49                                                        | 70                                                          | 73                                                           | 72                                                          |
| 380                   | 129                  | 26                   | 41                                                      | 40                                                      | 39                                                      | 68                                                        | 39                                                        | 89                                                        | 45                                                        | 66                                                          | 68                                                           | 69                                                          |
| 381                   | 129                  | 50                   | 42                                                      | 42                                                      | 41                                                      | 68                                                        | 41                                                        | 88                                                        | 45                                                        | 67                                                          | 68                                                           | 69                                                          |
| 382                   | 130                  | 11                   | 42                                                      | 41                                                      | 41                                                      | 68                                                        | 41                                                        | 88                                                        | 45                                                        | 68                                                          | 68                                                           | 69                                                          |
| 383                   | 130                  | 33                   | 42                                                      | 41                                                      | 42                                                      | 68                                                        | 41                                                        | 88                                                        | 46                                                        | 67                                                          | 68                                                           | 69                                                          |
| 384                   | 130                  | 54                   | 42                                                      | 41                                                      | 41                                                      | 68                                                        | 41                                                        | 87                                                        | 46                                                        | 67                                                          | 68                                                           | 69                                                          |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AFI<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AFI<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>3.BOX<br>(STRT)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>3.BOX<br>(F FR)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>6.BOX<br>(STRT)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| 385                   | 131                  | 16                   | 42                                                      | 41                                                      | 41                                                      | 68                                                        | 41                                                        | 87                                                        | 46                                                        | 67                                                          | 67                                                          | 69                                                          |
| 386                   | 139                  | 57                   | 42                                                      | 41                                                      | 41                                                      | 65                                                        | 42                                                        | 81                                                        | 48                                                        | 65                                                          | 64                                                          | 66                                                          |
| 387                   | 140                  | 10                   | 42                                                      | 42                                                      | 41                                                      | 65                                                        | 41                                                        | 81                                                        | 47                                                        | 65                                                          | 65                                                          | 66                                                          |
| 388                   | 140                  | 40                   | 42                                                      | 41                                                      | 41                                                      | 65                                                        | 42                                                        | 81                                                        | 46                                                        | 65                                                          | 64                                                          | 66                                                          |
| 389                   | 141                  | 2                    | 42                                                      | 41                                                      | 41                                                      | 65                                                        | 41                                                        | 81                                                        | 47                                                        | 65                                                          | 64                                                          | 66                                                          |
| 390                   | 141                  | 23                   | 42                                                      | 41                                                      | 41                                                      | 65                                                        | 41                                                        | 81                                                        | 46                                                        | 65                                                          | 64                                                          | 66                                                          |
| 391                   | 149                  | 1                    | 42                                                      | 42                                                      | 41                                                      | 60                                                        | 43                                                        | 73                                                        | 46                                                        | 64                                                          | 61                                                          | 65                                                          |
| 392                   | 149                  | 23                   | 41                                                      | 41                                                      | 41                                                      | 59                                                        | 42                                                        | 71                                                        | 45                                                        | 62                                                          | 61                                                          | 65                                                          |
| 393                   | 149                  | 44                   | 41                                                      | 42                                                      | 41                                                      | 57                                                        | 42                                                        | 70                                                        | 45                                                        | 63                                                          | 61                                                          | 65                                                          |
| 394                   | 150                  | 6                    | 41                                                      | 41                                                      | 41                                                      | 58                                                        | 42                                                        | 71                                                        | 45                                                        | 63                                                          | 62                                                          | 65                                                          |
| 395                   | 150                  | 28                   | 41                                                      | 41                                                      | 41                                                      | 59                                                        | 42                                                        | 71                                                        | 45                                                        | 63                                                          | 62                                                          | 65                                                          |
| 396                   | 150                  | 49                   | 41                                                      | 42                                                      | 41                                                      | 61                                                        | 42                                                        | 73                                                        | 46                                                        | 62                                                          | 61                                                          | 64                                                          |

44-57C S/N 68-10354  
 DESERT TEST  
 7 JULY 1971  
 RUN NO. 8

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| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-24<br>FNG.2<br>ACCESS<br>G.ROX<br>(F. FR)<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|
| 39                    | 1                    | 14                   | 44                                                            |
| 40                    | 1                    | 14                   | 44                                                            |
| 41                    | 1                    | 57                   | 44                                                            |
| 42                    | 1                    | 19                   | 44                                                            |
| 43                    | 2                    | 40                   | 44                                                            |
| 44                    | 2                    | 1                    | 44                                                            |
| 45                    | 3                    | 23                   | 44                                                            |
| 46                    | 3                    | 44                   | 44                                                            |
| 47                    | 3                    | 6                    | 45                                                            |
| 48                    | 4                    | 27                   | 44                                                            |
| 49                    | 4                    | 49                   | 44                                                            |
| 50                    | 5                    | 10                   | 44                                                            |
| 51                    | 5                    | 31                   | 45                                                            |
| 52                    | 5                    | 53                   | 44                                                            |
| 53                    | 6                    | 4                    | 44                                                            |
| 54                    | 6                    | 36                   | 44                                                            |
| 55                    | 6                    | 57                   | 45                                                            |
| 56                    | 7                    | 19                   | 45                                                            |
| 57                    | 7                    | 40                   | 45                                                            |
| 58                    | 8                    | 1                    | 45                                                            |
| 59                    | 8                    | 22                   | 45                                                            |
| 60                    | 8                    | 43                   | 45                                                            |
| 61                    | 9                    | 4                    | 45                                                            |
| 62                    | 9                    | 25                   | 45                                                            |
| 63                    | 9                    | 47                   | 45                                                            |
| 64                    | 10                   | 8                    | 45                                                            |
| 65                    | 10                   | 29                   | 45                                                            |
| 66                    | 10                   | 50                   | 45                                                            |
| 67                    | 11                   | 12                   | 46                                                            |
| 68                    | 11                   | 32                   | 45                                                            |
| 69                    | 11                   | 53                   | 45                                                            |
| 70                    | 12                   | 14                   | 45                                                            |
| 71                    | 12                   | 36                   | 45                                                            |
| 72                    | 12                   | 57                   | 45                                                            |
| 73                    | 13                   | 14                   | 45                                                            |
| 74                    | 13                   | 39                   | 45                                                            |
| 75                    | 14                   | 0                    | 45                                                            |
| 76                    | 14                   | 21                   | 46                                                            |
| 77                    | 14                   | 43                   | 47                                                            |
| 78                    | 15                   | 4                    | 48                                                            |
| 79                    | 15                   | 25                   | 51                                                            |
| 80                    | 15                   | 46                   | 50                                                            |
| 81                    | 16                   | 7                    | 49                                                            |
| 82                    | 16                   | 28                   | 49                                                            |
| 83                    | 16                   | 49                   | 51                                                            |

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-28<br>FMS.2<br>ACCESS<br>G.80X<br>(F. FA)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|
| 84                    | 17                   | 10                   | 53                                                           |
| 85                    | 17                   | 32                   | 55                                                           |
| 86                    | 17                   | 53                   | 56                                                           |
| 87                    | 18                   | 14                   | 58                                                           |
| 88                    | 18                   | 35                   | 60                                                           |
| 89                    | 18                   | 56                   | 60                                                           |
| 90                    | 19                   | 17                   | 62                                                           |
| 91                    | 19                   | 38                   | 64                                                           |
| 92                    | 19                   | 59                   | 66                                                           |
| 93                    | 20                   | 21                   | 67                                                           |
| 94                    | 20                   | 42                   | 69                                                           |
| 95                    | 21                   | 3                    | 70                                                           |
| 96                    | 21                   | 23                   | 71                                                           |
| 97                    | 21                   | 44                   | 72                                                           |
| 98                    | 22                   | 5                    | 72                                                           |
| 99                    | 22                   | 47                   | 74                                                           |
| 100                   | 22                   | 8                    | 75                                                           |
| 101                   | 23                   | 8                    | 75                                                           |
| 102                   | 23                   | 50                   | 75                                                           |
| 103                   | 24                   | 11                   | 76                                                           |
| 104                   | 24                   | 8                    | 76                                                           |
| 105                   | 24                   | 53                   | 78                                                           |
| 106                   | 25                   | 14                   | 77                                                           |
| 107                   | 25                   | 8                    | 78                                                           |
| 108                   | 25                   | 56                   | 79                                                           |
| 109                   | 26                   | 17                   | 79                                                           |
| 110                   | 26                   | 8                    | 79                                                           |
| 111                   | 26                   | 59                   | 79                                                           |
| 112                   | 27                   | 20                   | 80                                                           |
| 113                   | 27                   | 41                   | 81                                                           |
| 114                   | 27                   | 2                    | 81                                                           |
| 115                   | 28                   | 23                   | 81                                                           |
| 116                   | 28                   | 43                   | 82                                                           |
| 117                   | 28                   | 6                    | 83                                                           |
| 118                   | 29                   | 27                   | 85                                                           |
| 119                   | 29                   | 48                   | 85                                                           |
| 120                   | 30                   | 9                    | 86                                                           |
| 121                   | 30                   | 30                   | 88                                                           |
| 122                   | 30                   | 51                   | 88                                                           |
| 123                   | 31                   | 9                    | 89                                                           |
| 124                   | 31                   | 34                   | 89                                                           |
| 125                   | 31                   | 55                   | 90                                                           |
| 126                   | 32                   | 16                   | 91                                                           |
| 127                   | 32                   | 37                   | 91                                                           |
| 128                   | 32                   | 58                   | 92                                                           |
| 129                   | 33                   | 19                   | 93                                                           |
| 130                   | 33                   | 41                   | 93                                                           |
| 131                   | 34                   | 2                    | 94                                                           |
| 132                   | 34                   | 23                   | 93                                                           |
| 133                   | 34                   | 44                   | 94                                                           |
| 134                   | 34                   |                      |                                                              |



| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-28<br>ENS-2<br>ADDRESS<br>5.90X<br>(F RI)<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|
| 135                   | 35                   | 5                    | 96                                                            |
| 136                   | 35                   | 26                   | 97                                                            |
| 137                   | 36                   | 9                    | 99                                                            |
| 138                   | 36                   | 30                   | 99                                                            |
| 139                   | 36                   | 30                   | 100                                                           |
| 140                   | 36                   | 51                   | 102                                                           |
| 141                   | 37                   | 12                   | 102                                                           |
| 142                   | 37                   | 33                   | 101                                                           |
| 143                   | 37                   | 54                   | 102                                                           |
| 144                   | 38                   | 16                   | 101                                                           |
| 145                   | 38                   | 37                   | 101                                                           |
| 146                   | 38                   | 58                   | 101                                                           |
| 147                   | 39                   | 19                   | 100                                                           |
| 148                   | 39                   | 40                   | 101                                                           |
| 149                   | 40                   | 1                    | 101                                                           |
| 150                   | 40                   | 22                   | 99                                                            |
| 151                   | 40                   | 43                   | 101                                                           |
| 152                   | 41                   | 4                    | 100                                                           |
| 153                   | 41                   | 26                   | 100                                                           |
| 154                   | 41                   | 47                   | 99                                                            |
| 155                   | 42                   | 6                    | 99                                                            |
| 156                   | 42                   | 28                   | 101                                                           |
| 157                   | 42                   | 50                   | 90                                                            |
| 158                   | 43                   | 11                   | 90                                                            |
| 159                   | 43                   | 32                   | 91                                                            |
| 160                   | 43                   | 53                   | 90                                                            |
| 161                   | 44                   | 14                   | 90                                                            |
| 162                   | 44                   | 35                   | 91                                                            |
| 163                   | 44                   | 57                   | 91                                                            |
| 164                   | 45                   | 16                   | 90                                                            |
| 165                   | 45                   | 39                   | 90                                                            |
| 166                   | 46                   | 0                    | 90                                                            |
| 167                   | 46                   | 21                   | 101                                                           |
| 168                   | 46                   | 42                   | 100                                                           |
| 169                   | 47                   | 4                    | 100                                                           |
| 170                   | 47                   | 24                   | 100                                                           |
| 171                   | 47                   | 46                   | 99                                                            |
| 172                   | 48                   | 7                    | 90                                                            |
| 173                   | 48                   | 28                   | 90                                                            |
| 174                   | 48                   | 49                   | 90                                                            |
| 175                   | 49                   | 10                   | 90                                                            |
| 176                   | 49                   | 31                   | 91                                                            |
| 177                   | 49                   | 52                   | 90                                                            |
| 178                   | 50                   | 13                   | 90                                                            |
| 179                   | 50                   | 34                   | 90                                                            |
| 180                   | 50                   | 56                   | 91                                                            |
| 181                   | 51                   | 17                   | 91                                                            |
| 182                   | 51                   | 38                   | 90                                                            |
| 183                   | 51                   | 59                   | 90                                                            |
| 184                   | 52                   | 20                   | 90                                                            |

| -01<br>SHEET<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-06<br>ENG. 2<br>ACCESS<br>G. BOX<br>(F. FR)<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------------|
| 105                   | 52                   | 41                   | 98                                                              |
| 106                   | 53                   | 2                    | 98                                                              |
| 107                   | 53                   | 23                   | 98                                                              |
| 108                   | 53                   | 44                   | 98                                                              |
| 109                   | 54                   | 5                    | 98                                                              |
| 110                   | 54                   | 27                   | 98                                                              |
| 111                   | 54                   | 40                   | 98                                                              |
| 112                   | 54                   | 40                   | 98                                                              |
| 113                   | 55                   | 9                    | 98                                                              |
| 114                   | 55                   | 30                   | 98                                                              |
| 115                   | 55                   | 51                   | 98                                                              |
| 116                   | 56                   | 12                   | 98                                                              |
| 117                   | 56                   | 33                   | 98                                                              |
| 118                   | 56                   | 54                   | 98                                                              |
| 119                   | 57                   | 15                   | 98                                                              |
| 120                   | 57                   | 36                   | 98                                                              |
| 121                   | 57                   | 57                   | 98                                                              |
| 122                   | 58                   | 18                   | 98                                                              |
| 123                   | 58                   | 39                   | 98                                                              |
| 124                   | 58                   | 0                    | 98                                                              |
| 125                   | 59                   | 21                   | 98                                                              |
| 126                   | 59                   | 42                   | 98                                                              |
| 127                   | 59                   | 3                    | 98                                                              |
| 128                   | 60                   | 25                   | 98                                                              |
| 129                   | 60                   | 46                   | 98                                                              |
| 130                   | 61                   | 7                    | 98                                                              |
| 131                   | 61                   | 28                   | 98                                                              |
| 132                   | 61                   | 49                   | 98                                                              |
| 133                   | 62                   | 10                   | 98                                                              |
| 134                   | 62                   | 31                   | 98                                                              |
| 135                   | 62                   | 52                   | 98                                                              |
| 136                   | 63                   | 13                   | 98                                                              |
| 137                   | 63                   | 34                   | 98                                                              |
| 138                   | 63                   | 56                   | 98                                                              |
| 139                   | 64                   | 17                   | 98                                                              |
| 140                   | 64                   | 38                   | 98                                                              |
| 141                   | 64                   | 59                   | 98                                                              |
| 142                   | 65                   | 20                   | 98                                                              |
| 143                   | 65                   | 41                   | 98                                                              |
| 144                   | 66                   | 2                    | 98                                                              |
| 145                   | 66                   | 23                   | 98                                                              |
| 146                   | 66                   | 44                   | 98                                                              |
| 147                   | 67                   | 5                    | 98                                                              |
| 148                   | 67                   | 27                   | 98                                                              |
| 149                   | 67                   | 48                   | 98                                                              |
| 150                   | 68                   | 9                    | 98                                                              |
| 151                   | 68                   | 30                   | 98                                                              |
| 152                   | 68                   | 51                   | 98                                                              |
| 153                   | 69                   | 12                   | 98                                                              |
| 154                   | 69                   | 33                   | 98                                                              |
| 155                   | 69                   | 54                   | 98                                                              |

| 264 | -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-20<br>ENG. 2<br>ACCESS<br>3-BOX<br>(F. FR)<br>TEMP<br>NEG.C |
|-----|-----------------------|----------------------|----------------------|---------------------------------------------------------------|
| 235 | 70                    | 15                   | 87                   |                                                               |
| 236 | 70                    | 36                   | 86                   |                                                               |
| 237 | 70                    | 57                   | 85                   |                                                               |
| 238 | 71                    | 18                   | 83                   |                                                               |
| 239 | 71                    | 39                   | 82                   |                                                               |
| 240 | 72                    | 0                    | 81                   |                                                               |
| 241 | 72                    | 21                   | 80                   |                                                               |
| 242 | 72                    | 42                   | 81                   |                                                               |
| 243 | 73                    | 3                    | 80                   |                                                               |
| 244 | 73                    | 24                   | 79                   |                                                               |
| 245 | 73                    | 45                   | 81                   |                                                               |
| 246 | 74                    | 6                    | 83                   |                                                               |
| 247 | 74                    | 27                   | 85                   |                                                               |
| 248 | 74                    | 49                   | 86                   |                                                               |
| 249 | 75                    | 10                   | 87                   |                                                               |
| 250 | 75                    | 31                   | 88                   |                                                               |
| 251 | 75                    | 52                   | 89                   |                                                               |
| 252 | 76                    | 13                   | 89                   |                                                               |
| 253 | 76                    | 34                   | 91                   |                                                               |
| 254 | 76                    | 55                   | 91                   |                                                               |
| 255 | 77                    | 16                   | 92                   |                                                               |
| 256 | 77                    | 37                   | 92                   |                                                               |
| 257 | 77                    | 59                   | 92                   |                                                               |
| 258 | 78                    | 20                   | 93                   |                                                               |
| 259 | 78                    | 41                   | 94                   |                                                               |
| 260 | 79                    | 2                    | 95                   |                                                               |
| 261 | 79                    | 23                   | 95                   |                                                               |
| 262 | 79                    | 44                   | 96                   |                                                               |
| 263 | 80                    | 5                    | 96                   |                                                               |
| 264 | 80                    | 27                   | 95                   |                                                               |
| 265 | 80                    | 48                   | 95                   |                                                               |
| 266 | 81                    | 10                   | 96                   |                                                               |
| 267 | 81                    | 30                   | 95                   |                                                               |
| 268 | 81                    | 51                   | 94                   |                                                               |
| 269 | 82                    | 12                   | 95                   |                                                               |
| 270 | 82                    | 32                   | 94                   |                                                               |
| 271 | 82                    | 54                   | 94                   |                                                               |
| 272 | 83                    | 15                   | 93                   |                                                               |
| 273 | 83                    | 36                   | 93                   |                                                               |
| 274 | 83                    | 57                   | 93                   |                                                               |
| 275 | 84                    | 18                   | 92                   |                                                               |
| 276 | 84                    | 39                   | 90                   |                                                               |
| 277 | 85                    | 0                    | 89                   |                                                               |
| 278 | 85                    | 21                   | 89                   |                                                               |
| 279 | 85                    | 42                   | 89                   |                                                               |
| 280 | 86                    | 3                    | 88                   |                                                               |
| 281 | 86                    | 24                   | 88                   |                                                               |
| 282 | 86                    | 46                   | 88                   |                                                               |
| 283 | 87                    | 7                    | 87                   |                                                               |
| 284 | 87                    | 28                   | 86                   |                                                               |

| 6-01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-04<br>ENG.2<br>ACCESS<br>S-ROX<br>(F. FRI)<br>TEMP<br>DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------------------------------|
| 285                    | 87                   | 49                   | 90                                                            |
| 286                    | 88                   | 10                   | 90                                                            |
| 287                    | 88                   | 31                   | 91                                                            |
| 288                    | 88                   | 53                   | 92                                                            |
| 289                    | 89                   | 14                   | 91                                                            |
| 290                    | 89                   | 35                   | 92                                                            |
| 291                    | 89                   | 56                   | 92                                                            |
| 292                    | 90                   | 17                   | 93                                                            |
| 293                    | 90                   | 38                   | 93                                                            |
| 294                    | 90                   | 59                   | 93                                                            |
| 295                    | 91                   | 21                   | 93                                                            |
| 296                    | 91                   | 42                   | 93                                                            |
| 297                    | 92                   | 2                    | 94                                                            |
| 298                    | 92                   | 24                   | 94                                                            |
| 299                    | 92                   | 45                   | 94                                                            |
| 300                    | 93                   | 6                    | 94                                                            |
| 301                    | 93                   | 27                   | 95                                                            |
| 302                    | 93                   | 49                   | 95                                                            |
| 303                    | 94                   | 10                   | 95                                                            |
| 304                    | 94                   | 31                   | 95                                                            |
| 305                    | 94                   | 52                   | 96                                                            |
| 306                    | 95                   | 13                   | 95                                                            |
| 307                    | 95                   | 34                   | 96                                                            |
| 308                    | 95                   | 55                   | 95                                                            |
| 309                    | 96                   | 17                   | 96                                                            |
| 310                    | 96                   | 38                   | 96                                                            |
| 311                    | 96                   | 59                   | 96                                                            |
| 312                    | 97                   | 20                   | 95                                                            |
| 313                    | 97                   | 41                   | 96                                                            |
| 314                    | 98                   | 2                    | 96                                                            |
| 315                    | 98                   | 23                   | 96                                                            |
| 316                    | 98                   | 44                   | 95                                                            |
| 317                    | 99                   | 5                    | 95                                                            |
| 318                    | 99                   | 26                   | 94                                                            |
| 319                    | 99                   | 47                   | 92                                                            |
| 320                    | 100                  | 8                    | 93                                                            |
| 321                    | 100                  | 29                   | 92                                                            |
| 322                    | 100                  | 50                   | 92                                                            |
| 323                    | 101                  | 11                   | 91                                                            |
| 324                    | 101                  | 32                   | 89                                                            |
| 325                    | 101                  | 53                   | 88                                                            |
| 326                    | 102                  | 14                   | 88                                                            |
| 327                    | 102                  | 35                   | 88                                                            |
| 328                    | 102                  | 57                   | 88                                                            |
| 329                    | 103                  | 18                   | 88                                                            |
| 330                    | 103                  | 39                   | 88                                                            |
| 331                    | 104                  | 0                    | 90                                                            |
| 332                    | 104                  | 22                   | 91                                                            |
| 333                    | 104                  | 43                   | 92                                                            |
| 334                    | 105                  | 4                    | 92                                                            |

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| -01<br>SHEEP<br>COUNT | 6-12<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-28<br>ENG. 2<br>ACCESS<br>J. BOX<br>(F. FR)<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------------|
| 335                   | 105                  | 25                   | 92                                                              |
| 336                   | 105                  | 46                   | 92                                                              |
| 337                   | 105                  | 7                    | 93                                                              |
| 338                   | 106                  | 28                   | 92                                                              |
| 339                   | 106                  | 50                   | 93                                                              |
| 340                   | 107                  | 11                   | 92                                                              |
| 341                   | 107                  | 32                   | 92                                                              |
| 342                   | 107                  | 53                   | 93                                                              |
| 343                   | 108                  | 14                   | 93                                                              |
| 344                   | 108                  | 35                   | 93                                                              |
| 345                   | 108                  | 57                   | 93                                                              |
| 346                   | 109                  | 18                   | 94                                                              |
| 347                   | 109                  | 39                   | 94                                                              |
| 348                   | 110                  | 0                    | 94                                                              |
| 349                   | 110                  | 21                   | 92                                                              |
| 350                   | 110                  | 43                   | 93                                                              |
| 351                   | 111                  | 4                    | 92                                                              |
| 352                   | 111                  | 25                   | 91                                                              |
| 353                   | 111                  | 46                   | 92                                                              |
| 354                   | 112                  | 7                    | 92                                                              |
| 355                   | 112                  | 28                   | 91                                                              |
| 356                   | 112                  | 49                   | 91                                                              |
| 357                   | 113                  | 10                   | 89                                                              |
| 358                   | 113                  | 31                   | 89                                                              |
| 359                   | 113                  | 52                   | 89                                                              |
| 360                   | 114                  | 13                   | 89                                                              |
| 361                   | 114                  | 34                   | 89                                                              |
| 362                   | 114                  | 55                   | 89                                                              |
| 363                   | 115                  | 16                   | 87                                                              |
| 364                   | 115                  | 38                   | 88                                                              |
| 365                   | 115                  | 59                   | 88                                                              |
| 366                   | 116                  | 20                   | 88                                                              |
| 367                   | 116                  | 41                   | 87                                                              |
| 368                   | 116                  | 17                   | 81                                                              |
| 369                   | 119                  | 51                   | 80                                                              |
| 370                   | 120                  | 13                   | 81                                                              |
| 371                   | 120                  | 34                   | 80                                                              |
| 372                   | 120                  | 56                   | 79                                                              |
| 373                   | 121                  | 17                   | 79                                                              |
| 374                   | 121                  | 39                   | 79                                                              |
| 375                   | 123                  | 20                   | 78                                                              |
| 376                   | 123                  | 42                   | 76                                                              |
| 377                   | 124                  | 3                    | 77                                                              |
| 378                   | 124                  | 26                   | 77                                                              |
| 379                   | 124                  | 47                   | 77                                                              |
| 380                   | 129                  | 26                   | 70                                                              |
| 381                   | 129                  | 50                   | 71                                                              |
| 382                   | 130                  | 11                   | 71                                                              |
| 383                   | 130                  | 37                   | 71                                                              |
| 384                   | 130                  | 54                   | 70                                                              |

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-28<br>ENG.2<br>ACCESS<br>G. BOX<br>(F. FR)<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|
| 385                   | 131                  | 16                   | 70                                                             |
| 386                   | 139                  | 57                   | 65                                                             |
| 387                   | 140                  | 18                   | 66                                                             |
| 388                   | 140                  | 40                   | 66                                                             |
| 389                   | 141                  | 2                    | 65                                                             |
| 390                   | 141                  | 23                   | 66                                                             |
| 391                   | 149                  | 1                    | 64                                                             |
| 392                   | 149                  | 23                   | 64                                                             |
| 393                   | 149                  | 44                   | 64                                                             |
| 394                   | 150                  | 6                    | 63                                                             |
| 395                   | 150                  | 28                   | 62                                                             |
| 396                   | 150                  | 49                   | 63                                                             |

HH-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUT30<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>6.08<br>DEG.C | 7-15<br>ENG.1<br>COMPRS<br>CSE<br>STG.4<br>3.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 39                    | 2                    | 17                   | 44                                                         | 43                                                        | 42                                                         | 43                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 44                                                       |
| 40                    | 2                    | 0                    | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 43                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 41                    | 2                    | 21                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 42                    | 2                    | 43                   | 44                                                         | 44                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 43                    | 3                    | 4                    | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 44                    | 3                    | 25                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 45                    | 3                    | 47                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 46                    | 4                    | 8                    | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 47                    | 4                    | 30                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 48                    | 4                    | 51                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 49                    | 5                    | 13                   | 43                                                         | 43                                                        | 41                                                         | 42                                                       | 41                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 50                    | 5                    | 34                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 51                    | 5                    | 55                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 52                    | 6                    | 17                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 53                    | 6                    | 38                   | 43                                                         | 43                                                        | 42                                                         | 42                                                       | 42                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 54                    | 6                    | 0                    | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 44                                                       | 44                                                       | 44                                                       | 45                                                       |
| 55                    | 7                    | 21                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 56                    | 7                    | 42                   | 44                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 57                    | 7                    | 0                    | 44                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 58                    | 8                    | 3                    | 44                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 59                    | 8                    | 24                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 60                    | 8                    | 46                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 61                    | 9                    | 7                    | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 62                    | 9                    | 28                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 63                    | 9                    | 49                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 64                    | 10                   | 10                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 65                    | 10                   | 31                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 66                    | 10                   | 52                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 67                    | 11                   | 14                   | 45                                                         | 45                                                        | 44                                                         | 44                                                       | 44                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 68                    | 11                   | 35                   | 45                                                         | 45                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 69                    | 11                   | 56                   | 45                                                         | 45                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 70                    | 12                   | 17                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 71                    | 12                   | 38                   | 45                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 72                    | 12                   | 59                   | 44                                                         | 44                                                        | 44                                                         | 44                                                       | 44                                                     | 44                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 73                    | 13                   | 20                   | 44                                                         | 45                                                        | 43                                                         | 45                                                       | 45                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 74                    | 13                   | 42                   | 45                                                         | 44                                                        | 43                                                         | 44                                                       | 45                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 75                    | 14                   | 3                    | 46                                                         | 44                                                        | 43                                                         | 44                                                       | 45                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 76                    | 14                   | 24                   | 44                                                         | 44                                                        | 44                                                         | 44                                                       | 45                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 77                    | 14                   | 45                   | 44                                                         | 44                                                        | 44                                                         | 44                                                       | 45                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 78                    | 15                   | 6                    | 45                                                         | 44                                                        | 43                                                         | 44                                                       | 45                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 79                    | 15                   | 27                   | 44                                                         | 44                                                        | 44                                                         | 45                                                       | 46                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 80                    | 15                   | 48                   | 44                                                         | 45                                                        | 44                                                         | 45                                                       | 46                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 81                    | 16                   | 10                   | 44                                                         | 45                                                        | 44                                                         | 45                                                       | 46                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 82                    | 16                   | 31                   | 44                                                         | 45                                                        | 44                                                         | 45                                                       | 46                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 83                    | 16                   | 52                   | 45                                                         | 44                                                        | 44                                                         | 45                                                       | 46                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |

| -01<br>SHEET<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>IMPD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTSD<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTR-L<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>6.00<br>DEG.C | 7-15<br>ENG.1<br>COMPRS<br>CSE<br>STG.4<br>3.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 84                    | 17                   | 13                   | 45                                                         | 45                                                        | 44                                                         | 45                                                        | 45                                                     | 46                                                     | 45                                                       | 46                                                       | 46                                                       | 46                                                       |
| 85                    | 17                   | 34                   | 44                                                         | 45                                                        | *                                                          | 46                                                        | 46                                                     | 45                                                     | 45                                                       | 46                                                       | 46                                                       | 47                                                       |
| 86                    | 17                   | 55                   | 45                                                         | 45                                                        | 44                                                         | 45                                                        | 45                                                     | 45                                                     | 45                                                       | 46                                                       | 46                                                       | 46                                                       |
| 87                    | 18                   | 16                   | 45                                                         | 45                                                        | 44                                                         | 45                                                        | 45                                                     | 45                                                     | 45                                                       | 46                                                       | 46                                                       | 46                                                       |
| 88                    | 18                   | 37                   | 45                                                         | 45                                                        | 44                                                         | 45                                                        | 45                                                     | 45                                                     | 45                                                       | 46                                                       | 46                                                       | 46                                                       |
| 89                    | 19                   | *                    | 33                                                         | 38                                                        | 41                                                         | 43                                                        | 44                                                     | 43                                                     | 43                                                       | 44                                                       | 44                                                       | 43                                                       |
| 90                    | 19                   | 20                   | 44                                                         | 44                                                        | 44                                                         | 43                                                        | 44                                                     | 44                                                     | 44                                                       | 44                                                       | 44                                                       | 43                                                       |
| 91                    | 19                   | 41                   | 45                                                         | 45                                                        | 44                                                         | 44                                                        | 45                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 92                    | 20                   | 2                    | 45                                                         | 45                                                        | 44                                                         | 44                                                        | 46                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 45                                                       |
| 93                    | 20                   | 23                   | 45                                                         | 45                                                        | 44                                                         | 44                                                        | 46                                                     | 45                                                     | 45                                                       | 45                                                       | 45                                                       | 46                                                       |
| 94                    | 20                   | 44                   | 45                                                         | 45                                                        | 44                                                         | 43                                                        | 46                                                     | 45                                                     | 45                                                       | 47                                                       | 47                                                       | 46                                                       |
| 95                    | 21                   | 5                    | 45                                                         | 45                                                        | 43                                                         | 43                                                        | 46                                                     | 48                                                     | 48                                                       | 51                                                       | 51                                                       | 50                                                       |
| 96                    | 21                   | 26                   | 46                                                         | 45                                                        | 44                                                         | 42                                                        | 49                                                     | 50                                                     | 52                                                       | 74                                                       | 74                                                       | 70                                                       |
| 97                    | 21                   | 47                   | 46                                                         | 45                                                        | 44                                                         | 44                                                        | 53                                                     | 50                                                     | 56                                                       | 85                                                       | 85                                                       | 83                                                       |
| 98                    | 22                   | 4                    | 45                                                         | 46                                                        | 45                                                         | 44                                                        | 55                                                     | 52                                                     | 91                                                       | 84                                                       | 84                                                       | 86                                                       |
| 99                    | 22                   | 50                   | 47                                                         | 46                                                        | 45                                                         | 44                                                        | 55                                                     | 52                                                     | 96                                                       | 82                                                       | 82                                                       | 83                                                       |
| 100                   | 23                   | 11                   | 48                                                         | 47                                                        | 45                                                         | 45                                                        | 63                                                     | 52                                                     | 101                                                      | 88                                                       | 88                                                       | 89                                                       |
| 101                   | 23                   | 32                   | 48                                                         | 48                                                        | 46                                                         | 45                                                        | 62                                                     | 51                                                     | 103                                                      | 91                                                       | 91                                                       | 94                                                       |
| 102                   | 23                   | 53                   | 48                                                         | 48                                                        | 47                                                         | 44                                                        | 65                                                     | 51                                                     | 104                                                      | 92                                                       | 92                                                       | 93                                                       |
| 103                   | 24                   | 14                   | 48                                                         | 48                                                        | 47                                                         | 45                                                        | 64                                                     | 51                                                     | 105                                                      | 92                                                       | 92                                                       | 94                                                       |
| 104                   | 24                   | 35                   | 48                                                         | 49                                                        | 47                                                         | 45                                                        | 66                                                     | 52                                                     | 106                                                      | 92                                                       | 92                                                       | 94                                                       |
| 105                   | 24                   | 56                   | 49                                                         | 48                                                        | 47                                                         | 45                                                        | 66                                                     | 51                                                     | 106                                                      | 92                                                       | 92                                                       | 94                                                       |
| 106                   | 25                   | 12                   | 50                                                         | 48                                                        | 48                                                         | 45                                                        | 69                                                     | 50                                                     | 106                                                      | 93                                                       | 93                                                       | 96                                                       |
| 107                   | 25                   | 38                   | 50                                                         | 50                                                        | 48                                                         | 45                                                        | 68                                                     | 51                                                     | 106                                                      | 93                                                       | 93                                                       | 96                                                       |
| 108                   | 25                   | 59                   | 51                                                         | 51                                                        | 48                                                         | 47                                                        | 70                                                     | 52                                                     | 107                                                      | 92                                                       | 92                                                       | 96                                                       |
| 109                   | 26                   | 20                   | 52                                                         | 52                                                        | 48                                                         | 47                                                        | 70                                                     | 52                                                     | 109                                                      | 93                                                       | 93                                                       | 97                                                       |
| 110                   | 26                   | 41                   | 53                                                         | 53                                                        | 49                                                         | 46                                                        | 72                                                     | 51                                                     | 110                                                      | 93                                                       | 93                                                       | 97                                                       |
| 111                   | 27                   | 2                    | 54                                                         | 54                                                        | 49                                                         | 46                                                        | 72                                                     | 52                                                     | 110                                                      | 93                                                       | 93                                                       | 98                                                       |
| 112                   | 27                   | 23                   | 55                                                         | 55                                                        | 51                                                         | 52                                                        | 73                                                     | 52                                                     | 111                                                      | 94                                                       | 94                                                       | 98                                                       |
| 113                   | 27                   | 44                   | 55                                                         | 55                                                        | 53                                                         | 52                                                        | 74                                                     | 53                                                     | 111                                                      | 97                                                       | 97                                                       | 103                                                      |
| 114                   | 28                   | 5                    | 55                                                         | 55                                                        | 54                                                         | 53                                                        | 76                                                     | 53                                                     | 112                                                      | 99                                                       | 99                                                       | 106                                                      |
| 115                   | 28                   | 26                   | 57                                                         | 55                                                        | 53                                                         | 53                                                        | 76                                                     | 51                                                     | 115                                                      | *                                                        | *                                                        | *                                                        |
| 116                   | 28                   | 47                   | 58                                                         | 57                                                        | 54                                                         | 48                                                        | 76                                                     | 51                                                     | 120                                                      | 106                                                      | 106                                                      | 114                                                      |
| 117                   | 29                   | 8                    | 58                                                         | 57                                                        | 54                                                         | 49                                                        | 77                                                     | 48                                                     | 120                                                      | 111                                                      | 111                                                      | 114                                                      |
| 118                   | 29                   | 29                   | 59                                                         | 56                                                        | 54                                                         | 48                                                        | 77                                                     | 47                                                     | 120                                                      | 111                                                      | 111                                                      | 119                                                      |
| 119                   | 29                   | 50                   | 61                                                         | 58                                                        | 54                                                         | 49                                                        | 78                                                     | 47                                                     | 120                                                      | 111                                                      | 111                                                      | 123                                                      |
| 120                   | 29                   | 50                   | 61                                                         | 60                                                        | 54                                                         | 49                                                        | 79                                                     | 47                                                     | 120                                                      | 114                                                      | 114                                                      | 123                                                      |
| 121                   | 30                   | 12                   | 61                                                         | 60                                                        | 54                                                         | 49                                                        | 80                                                     | 46                                                     | 120                                                      | 114                                                      | 114                                                      | 127                                                      |
| 122                   | 30                   | 33                   | 62                                                         | 60                                                        | 54                                                         | 48                                                        | 82                                                     | 46                                                     | 120                                                      | 116                                                      | 116                                                      | 127                                                      |
| 123                   | 30                   | 54                   | 62                                                         | 62                                                        | 55                                                         | 48                                                        | 82                                                     | 46                                                     | 120                                                      | 117                                                      | 117                                                      | 129                                                      |
| 124                   | 31                   | 15                   | 63                                                         | 62                                                        | 55                                                         | 49                                                        | 84                                                     | 45                                                     | 120                                                      | 117                                                      | 117                                                      | 129                                                      |
| 125                   | 31                   | 34                   | 63                                                         | 63                                                        | 54                                                         | 49                                                        | 84                                                     | 45                                                     | 120                                                      | 117                                                      | 117                                                      | 130                                                      |
| 126                   | 31                   | 57                   | 64                                                         | 63                                                        | 55                                                         | 49                                                        | 84                                                     | 45                                                     | 120                                                      | 117                                                      | 117                                                      | 130                                                      |
| 127                   | 32                   | 18                   | 64                                                         | 64                                                        | 57                                                         | 48                                                        | 87                                                     | 45                                                     | 120                                                      | 117                                                      | 117                                                      | 131                                                      |
| 128                   | 32                   | 40                   | 65                                                         | 64                                                        | 57                                                         | 48                                                        | 87                                                     | 45                                                     | 120                                                      | 118                                                      | 118                                                      | 131                                                      |
| 129                   | 33                   | 22                   | 67                                                         | 65                                                        | 58                                                         | 48                                                        | 87                                                     | 45                                                     | 120                                                      | 118                                                      | 118                                                      | 131                                                      |
| 130                   | 33                   | 43                   | 67                                                         | 67                                                        | 58                                                         | 48                                                        | 89                                                     | 45                                                     | 120                                                      | 118                                                      | 118                                                      | 132                                                      |
| 131                   | 34                   | 1                    | 67                                                         | 67                                                        | 58                                                         | 49                                                        | 89                                                     | 45                                                     | 120                                                      | 118                                                      | 118                                                      | 132                                                      |
| 132                   | 34                   | 43                   | 67                                                         | 67                                                        | 58                                                         | 49                                                        | 89                                                     | 45                                                     | 120                                                      | 118                                                      | 118                                                      | 132                                                      |
| 133                   | 34                   | 25                   | 68                                                         | 67                                                        | 59                                                         | 55                                                        | 89                                                     | 45                                                     | 120                                                      | 119                                                      | 119                                                      | 132                                                      |
| 134                   | 34                   | 47                   | 69                                                         | 69                                                        | 61                                                         | 54                                                        | 92                                                     | 44                                                     | 120                                                      | 122                                                      | 122                                                      | 135                                                      |
|                       |                      |                      |                                                            |                                                           |                                                            | 53                                                        | 92                                                     | 45                                                     | 120                                                      | 125                                                      | 125                                                      | 137                                                      |
|                       |                      |                      |                                                            |                                                           |                                                            | 61                                                        | 92                                                     | 45                                                     | 120                                                      | 125                                                      | 125                                                      | 137                                                      |



| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>CUTBD<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPRS<br>CSE<br>SIG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPRS<br>CSE<br>SIG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPRS<br>CSE<br>SIG.3<br>6.00<br>DEG.C | 7-15<br>ENG.1<br>COMPRS<br>CSE<br>SIG.4<br>3.00<br>DEG.C |
|-----------------------|----------------------|--------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 135                   | 35                   | 8            | 70                                                          | 70                                                         | 61                                                          | 55                                                        | 34                                                     | 44                                                     | 90                                                       | 164                                                      | 127                                                      | 139                                                      |
| 136                   | 35                   | 29           | 72                                                          | 71                                                         | 62                                                          | 55                                                        | 96                                                     | 44                                                     | 90                                                       | 165                                                      | 126                                                      | 138                                                      |
| 137                   | 35                   | 50           | 72                                                          | 71                                                         | 63                                                          | 57                                                        | 97                                                     | 45                                                     | 92                                                       | 165                                                      | 126                                                      | 140                                                      |
| 138                   | 36                   | 11           | 73                                                          | 72                                                         | 63                                                          | 56                                                        | 98                                                     | 45                                                     | 92                                                       | *                                                        | *                                                        | 140                                                      |
| 139                   | 36                   | 32           | 74                                                          | 73                                                         | 64                                                          | 53                                                        | 98                                                     | 46                                                     | 92                                                       | 166                                                      | 126                                                      | 140                                                      |
| 140                   | 36                   | 54           | 74                                                          | 73                                                         | 64                                                          | 51                                                        | 97                                                     | 46                                                     | 91                                                       | 165                                                      | 121                                                      | 135                                                      |
| 141                   | 37                   | 15           | 74                                                          | 74                                                         | 64                                                          | 50                                                        | 96                                                     | 46                                                     | 89                                                       | 163                                                      | 120                                                      | 134                                                      |
| 142                   | 37                   | 36           | 75                                                          | 75                                                         | 64                                                          | 50                                                        | 95                                                     | 45                                                     | 83                                                       | 161                                                      | 119                                                      | 134                                                      |
| 143                   | 37                   | 57           | 75                                                          | 75                                                         | 64                                                          | 48                                                        | 95                                                     | 45                                                     | 87                                                       | 160                                                      | 117                                                      | 132                                                      |
| 144                   | 38                   | 18           | 75                                                          | 75                                                         | 64                                                          | 48                                                        | 95                                                     | 46                                                     | 87                                                       | 159                                                      | 117                                                      | 131                                                      |
| 145                   | 38                   | 39           | 76                                                          | 76                                                         | 64                                                          | 49                                                        | 93                                                     | 45                                                     | 86                                                       | 158                                                      | 118                                                      | 130                                                      |
| 146                   | 39                   | 0            | 77                                                          | 76                                                         | 65                                                          | 48                                                        | 93                                                     | 46                                                     | 85                                                       | 156                                                      | 116                                                      | 130                                                      |
| 147                   | 39                   | 21           | 76                                                          | 77                                                         | 64                                                          | 49                                                        | 94                                                     | 45                                                     | 85                                                       | 156                                                      | 117                                                      | 130                                                      |
| 148                   | 40                   | 40           | 77                                                          | 77                                                         | 66                                                          | 48                                                        | 92                                                     | 45                                                     | 85                                                       | 154                                                      | 120                                                      | 133                                                      |
| 149                   | 40                   | 4            | 78                                                          | 78                                                         | 65                                                          | 49                                                        | 93                                                     | 46                                                     | 87                                                       | 159                                                      | 118                                                      | 132                                                      |
| 150                   | 40                   | 25           | 78                                                          | 78                                                         | 65                                                          | 49                                                        | 92                                                     | 45                                                     | 85                                                       | 156                                                      | 116                                                      | 131                                                      |
| 151                   | 40                   | 46           | 78                                                          | 78                                                         | 66                                                          | 51                                                        | 92                                                     | 45                                                     | 85                                                       | 155                                                      | 116                                                      | 131                                                      |
| 152                   | 41                   | 7            | 78                                                          | 78                                                         | 66                                                          | 49                                                        | 93                                                     | 45                                                     | 86                                                       | 157                                                      | 121                                                      | 133                                                      |
| 153                   | 41                   | 28           | 79                                                          | 79                                                         | 66                                                          | 49                                                        | 93                                                     | 46                                                     | 87                                                       | 159                                                      | 121                                                      | 133                                                      |
| 154                   | 41                   | 49           | 80                                                          | 80                                                         | 66                                                          | 48                                                        | 94                                                     | 45                                                     | 86                                                       | 158                                                      | 119                                                      | 131                                                      |
| 155                   | 42                   | 10           | 79                                                          | 80                                                         | 66                                                          | 48                                                        | 92                                                     | 45                                                     | 86                                                       | 155                                                      | 116                                                      | 129                                                      |
| 156                   | 42                   | 31           | 80                                                          | 80                                                         | 67                                                          | 48                                                        | 92                                                     | 45                                                     | 84                                                       | 154                                                      | 117                                                      | 130                                                      |
| 157                   | 42                   | 52           | 80                                                          | 80                                                         | 67                                                          | 48                                                        | 92                                                     | 46                                                     | 84                                                       | 154                                                      | 116                                                      | 129                                                      |
| 158                   | 43                   | 14           | 81                                                          | 80                                                         | 67                                                          | 51                                                        | 92                                                     | 45                                                     | 86                                                       | 155                                                      | 117                                                      | 130                                                      |
| 159                   | 43                   | 35           | 82                                                          | 80                                                         | 68                                                          | 49                                                        | 92                                                     | 45                                                     | 85                                                       | 155                                                      | 119                                                      | 131                                                      |
| 160                   | 43                   | 56           | 81                                                          | 80                                                         | 68                                                          | 50                                                        | 92                                                     | 47                                                     | 85                                                       | 156                                                      | 116                                                      | 130                                                      |
| 161                   | 44                   | 17           | 81                                                          | 81                                                         | 68                                                          | 51                                                        | 93                                                     | 46                                                     | 87                                                       | 157                                                      | 120                                                      | 133                                                      |
| 162                   | 44                   | 38           | 81                                                          | 81                                                         | 68                                                          | 52                                                        | 93                                                     | 46                                                     | 86                                                       | 158                                                      | 119                                                      | 132                                                      |
| 163                   | 44                   | 59           | 80                                                          | 80                                                         | 69                                                          | 51                                                        | 92                                                     | 46                                                     | 87                                                       | 159                                                      | 120                                                      | 135                                                      |
| 164                   | 45                   | 20           | 81                                                          | 81                                                         | 69                                                          | 50                                                        | 93                                                     | 47                                                     | 86                                                       | 159                                                      | 119                                                      | 132                                                      |
| 165                   | 45                   | 41           | 81                                                          | 81                                                         | 69                                                          | 50                                                        | 92                                                     | 45                                                     | 87                                                       | 159                                                      | 118                                                      | 131                                                      |
| 166                   | 46                   | 2            | 82                                                          | 82                                                         | 69                                                          | 49                                                        | 92                                                     | 45                                                     | 86                                                       | 158                                                      | 120                                                      | 134                                                      |
| 167                   | 46                   | 24           | 82                                                          | 83                                                         | 69                                                          | 48                                                        | 92                                                     | 45                                                     | 86                                                       | 160                                                      | 121                                                      | 134                                                      |
| 168                   | 46                   | 45           | 82                                                          | 82                                                         | 69                                                          | 48                                                        | 91                                                     | 45                                                     | 87                                                       | 161                                                      | 121                                                      | 133                                                      |
| 169                   | 47                   | 6            | 83                                                          | 82                                                         | 70                                                          | 48                                                        | 93                                                     | 46                                                     | 88                                                       | 163                                                      | 118                                                      | 132                                                      |
| 170                   | 47                   | 27           | 83                                                          | 83                                                         | 70                                                          | 47                                                        | 92                                                     | 45                                                     | 89                                                       | 164                                                      | 119                                                      | 132                                                      |
| 171                   | 47                   | 48           | 83                                                          | 82                                                         | 70                                                          | 47                                                        | 91                                                     | 44                                                     | 90                                                       | 161                                                      | 119                                                      | 133                                                      |
| 172                   | 48                   | 9            | 83                                                          | 83                                                         | 70                                                          | 47                                                        | 91                                                     | 44                                                     | 88                                                       | 160                                                      | 119                                                      | 132                                                      |
| 173                   | 48                   | 30           | 84                                                          | 85                                                         | 73                                                          | 47                                                        | 91                                                     | 46                                                     | 89                                                       | 159                                                      | 116                                                      | 130                                                      |
| 174                   | 48                   | 51           | 84                                                          | 84                                                         | 73                                                          | 48                                                        | 90                                                     | 45                                                     | 89                                                       | 157                                                      | 118                                                      | 132                                                      |
| 175                   | 49                   | 12           | 84                                                          | 84                                                         | 73                                                          | 47                                                        | 91                                                     | 45                                                     | 89                                                       | 159                                                      | 121                                                      | 132                                                      |
| 176                   | 49                   | 34           | 85                                                          | 83                                                         | 73                                                          | 47                                                        | 91                                                     | 45                                                     | 89                                                       | 161                                                      | 120                                                      | 133                                                      |
| 177                   | 49                   | 55           | 84                                                          | 84                                                         | 73                                                          | 47                                                        | 91                                                     | 45                                                     | 90                                                       | 161                                                      | 121                                                      | 134                                                      |
| 178                   | 50                   | 14           | 85                                                          | 83                                                         | 70                                                          | 47                                                        | 91                                                     | 45                                                     | 91                                                       | 161                                                      | 120                                                      | 134                                                      |
| 179                   | 50                   | 37           | 85                                                          | 84                                                         | 70                                                          | 46                                                        | 92                                                     | 45                                                     | 90                                                       | 161                                                      | 120                                                      | 133                                                      |
| 180                   | 50                   | 58           | 86                                                          | 84                                                         | 70                                                          | 46                                                        | 92                                                     | 45                                                     | 90                                                       | 159                                                      | 120                                                      | 134                                                      |
| 181                   | 51                   | 19           | 86                                                          | 85                                                         | 71                                                          | 47                                                        | 92                                                     | 45                                                     | 90                                                       | 159                                                      | 121                                                      | 133                                                      |
| 182                   | 51                   | 40           | 86                                                          | 85                                                         | 71                                                          | 47                                                        | 91                                                     | 45                                                     | 90                                                       | 159                                                      | 120                                                      | 134                                                      |
| 183                   | 52                   | 1            | 86                                                          | 85                                                         | 71                                                          | 47                                                        | 92                                                     | 45                                                     | 90                                                       | 161                                                      | 119                                                      | 133                                                      |
| 184                   | 52                   | 33           | 86                                                          | 86                                                         | 75                                                          | 47                                                        | 92                                                     | 45                                                     | 83                                                       | 163                                                      | 118                                                      | 132                                                      |

| -01<br>SHEEP<br>COUNT | 7-32<br>TIME<br>MIN. | 7-33<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 185                   | 52                   | 44                   | 86                                                         | 85                                                        | 71                                                         | 48                                                        | 92                                                     | 45                                                     | 89                                                      | 161                                                     | 119                                                     | 133                                                     |
| 186                   | 53                   | 5                    | 85                                                         | 86                                                        | 72                                                         | 47                                                        | 90                                                     | 45                                                     | 89                                                      | 160                                                     | 118                                                     | 131                                                     |
| 187                   | 53                   | 26                   | 86                                                         | 85                                                        | 71                                                         | 46                                                        | 90                                                     | 45                                                     | 89                                                      | 160                                                     | 119                                                     | 131                                                     |
| 188                   | 53                   | 47                   | 85                                                         | 85                                                        | 71                                                         | 47                                                        | 91                                                     | 44                                                     | 89                                                      | 160                                                     | 119                                                     | 131                                                     |
| 189                   | 54                   | 8                    | 87                                                         | 86                                                        | 72                                                         | 47                                                        | 91                                                     | 45                                                     | 89                                                      | 160                                                     | 118                                                     | 131                                                     |
| 190                   | 54                   | 29                   | 86                                                         | 86                                                        | 72                                                         | 47                                                        | 91                                                     | 45                                                     | 89                                                      | 161                                                     | 119                                                     | 131                                                     |
| 191                   | 54                   | 50                   | 87                                                         | 87                                                        | 72                                                         | 47                                                        | 91                                                     | 45                                                     | 88                                                      | 160                                                     | 119                                                     | 132                                                     |
| 192                   | 55                   | 11                   | 87                                                         | 87                                                        | 72                                                         | 47                                                        | 92                                                     | 45                                                     | 88                                                      | 159                                                     | 118                                                     | 131                                                     |
| 193                   | 55                   | 32                   | 86                                                         | 87                                                        | 73                                                         | 47                                                        | 92                                                     | 45                                                     | 89                                                      | 160                                                     | 118                                                     | 131                                                     |
| 194                   | 55                   | 53                   | 85                                                         | 87                                                        | 73                                                         | 47                                                        | 90                                                     | 45                                                     | 88                                                      | 159                                                     | 118                                                     | 130                                                     |
| 195                   | 56                   | 14                   | 86                                                         | 87                                                        | 72                                                         | 47                                                        | 91                                                     | 45                                                     | 88                                                      | 159                                                     | 118                                                     | 131                                                     |
| 196                   | 56                   | 35                   | 84                                                         | 84                                                        | 73                                                         | 43                                                        | 87                                                     | 43                                                     | 88                                                      | 160                                                     | 119                                                     | 131                                                     |
| 197                   | 56                   | 57                   | 85                                                         | 87                                                        | 73                                                         | 47                                                        | 90                                                     | 45                                                     | 88                                                      | 160                                                     | 117                                                     | 129                                                     |
| 198                   | 57                   | 18                   | 85                                                         | 87                                                        | 72                                                         | 47                                                        | 90                                                     | 45                                                     | 88                                                      | 158                                                     | 115                                                     | 129                                                     |
| 199                   | 57                   | 39                   | 86                                                         | 88                                                        | 72                                                         | 48                                                        | 89                                                     | 45                                                     | 87                                                      | 155                                                     | 113                                                     | 127                                                     |
| 200                   | 58                   | 6                    | 85                                                         | 88                                                        | 73                                                         | 48                                                        | 88                                                     | 47                                                     | 84                                                      | 152                                                     | 107                                                     | 121                                                     |
| 201                   | 58                   | 21                   | 85                                                         | 88                                                        | 72                                                         | 48                                                        | 88                                                     | 46                                                     | 87                                                      | 162                                                     | 100                                                     | 113                                                     |
| 202                   | 58                   | 47                   | 84                                                         | 87                                                        | 72                                                         | 49                                                        | 87                                                     | 49                                                     | 87                                                      | 131                                                     | 97                                                      | 109                                                     |
| 203                   | 59                   | 3                    | 84                                                         | 87                                                        | 71                                                         | 48                                                        | 85                                                     | 50                                                     | 76                                                      | 125                                                     | 97                                                      | 106                                                     |
| 204                   | 59                   | 24                   | 84                                                         | 88                                                        | 72                                                         | 47                                                        | 84                                                     | 51                                                     | 75                                                      | 119                                                     | 95                                                      | 103                                                     |
| 205                   | 59                   | 45                   | 83                                                         | 87                                                        | 71                                                         | 46                                                        | 83                                                     | 51                                                     | 73                                                      | 116                                                     | 93                                                      | 101                                                     |
| 206                   | 60                   | 6                    | 84                                                         | 87                                                        | 73                                                         | 46                                                        | 81                                                     | 51                                                     | 72                                                      | 113                                                     | 94                                                      | 99                                                      |
| 207                   | 60                   | 27                   | 83                                                         | 87                                                        | 70                                                         | 46                                                        | 80                                                     | 49                                                     | 72                                                      | 118                                                     | 104                                                     | 111                                                     |
| 208                   | 60                   | 48                   | 83                                                         | 85                                                        | 70                                                         | 46                                                        | 82                                                     | 48                                                     | 75                                                      | 112                                                     | 112                                                     | 118                                                     |
| 209                   | 61                   | 9                    | 84                                                         | 86                                                        | 71                                                         | 46                                                        | 82                                                     | 46                                                     | 79                                                      | 141                                                     | 116                                                     | 123                                                     |
| 210                   | 61                   | 30                   | 84                                                         | 86                                                        | 71                                                         | 47                                                        | 82                                                     | *                                                      | *                                                       | 158                                                     | 116                                                     | 126                                                     |
| 211                   | 61                   | 51                   | 85                                                         | 87                                                        | 71                                                         | 48                                                        | 85                                                     | 46                                                     | 83                                                      | 155                                                     | 117                                                     | 128                                                     |
| 212                   | 62                   | 11                   | 85                                                         | 85                                                        | 71                                                         | 47                                                        | 86                                                     | 46                                                     | 85                                                      | 157                                                     | 117                                                     | 129                                                     |
| 213                   | 62                   | 34                   | 85                                                         | 85                                                        | 71                                                         | 46                                                        | 86                                                     | 45                                                     | 87                                                      | 160                                                     | 118                                                     | 131                                                     |
| 214                   | 62                   | 55                   | 86                                                         | 87                                                        | 72                                                         | 47                                                        | 87                                                     | 46                                                     | 87                                                      | 161                                                     | 118                                                     | 129                                                     |
| 215                   | 63                   | 16                   | 87                                                         | 87                                                        | 72                                                         | 47                                                        | 88                                                     | 45                                                     | 88                                                      | 161                                                     | 118                                                     | 138                                                     |
| 216                   | 63                   | 37                   | 87                                                         | 87                                                        | 72                                                         | 47                                                        | 88                                                     | 45                                                     | 89                                                      | 162                                                     | 119                                                     | 131                                                     |
| 217                   | 63                   | 58                   | 87                                                         | 86                                                        | 72                                                         | 46                                                        | 88                                                     | 45                                                     | 89                                                      | 162                                                     | 118                                                     | 131                                                     |
| 218                   | 64                   | 19                   | 88                                                         | 87                                                        | 72                                                         | 47                                                        | 89                                                     | 45                                                     | 90                                                      | 163                                                     | 118                                                     | 131                                                     |
| 219                   | 64                   | 40                   | 88                                                         | 87                                                        | 72                                                         | 47                                                        | 88                                                     | 46                                                     | 89                                                      | 163                                                     | 118                                                     | 131                                                     |
| 220                   | 65                   | 1                    | 88                                                         | 88                                                        | 72                                                         | 46                                                        | 88                                                     | 46                                                     | 90                                                      | 163                                                     | 119                                                     | 131                                                     |
| 221                   | 65                   | 22                   | 88                                                         | 88                                                        | 73                                                         | 47                                                        | 89                                                     | 45                                                     | 89                                                      | 163                                                     | 118                                                     | 131                                                     |
| 222                   | 65                   | 44                   | 88                                                         | 88                                                        | 73                                                         | 46                                                        | 89                                                     | 45                                                     | 89                                                      | 162                                                     | 119                                                     | 132                                                     |
| 223                   | 66                   | 5                    | 89                                                         | 89                                                        | 73                                                         | 47                                                        | 89                                                     | 45                                                     | 90                                                      | 161                                                     | 119                                                     | 131                                                     |
| 224                   | 66                   | 26                   | 89                                                         | 87                                                        | 73                                                         | 46                                                        | 89                                                     | 45                                                     | 90                                                      | 161                                                     | 119                                                     | 131                                                     |
| 225                   | 66                   | 47                   | 88                                                         | 89                                                        | 73                                                         | 46                                                        | 89                                                     | 45                                                     | 89                                                      | 161                                                     | 119                                                     | 131                                                     |
| 226                   | 67                   | 8                    | 88                                                         | 89                                                        | 73                                                         | 46                                                        | 90                                                     | 45                                                     | 90                                                      | 162                                                     | 119                                                     | 131                                                     |
| 227                   | 67                   | 29                   | 88                                                         | 90                                                        | 73                                                         | 47                                                        | 90                                                     | 46                                                     | 90                                                      | 161                                                     | 118                                                     | 131                                                     |
| 228                   | 67                   | 50                   | 89                                                         | 89                                                        | 74                                                         | 46                                                        | 89                                                     | 45                                                     | 90                                                      | 162                                                     | 118                                                     | 131                                                     |
| 229                   | 68                   | 11                   | 89                                                         | 89                                                        | 74                                                         | 47                                                        | 89                                                     | 45                                                     | 90                                                      | 161                                                     | 119                                                     | 131                                                     |
| 230                   | 68                   | 32                   | 89                                                         | 89                                                        | 74                                                         | 47                                                        | 89                                                     | 46                                                     | 89                                                      | 161                                                     | 118                                                     | 131                                                     |
| 231                   | 68                   | 53                   | 90                                                         | 90                                                        | 74                                                         | 47                                                        | 89                                                     | 46                                                     | 90                                                      | 162                                                     | 117                                                     | 131                                                     |
| 232                   | 69                   | 15                   | 89                                                         | 90                                                        | 74                                                         | 46                                                        | 90                                                     | 46                                                     | 89                                                      | 161                                                     | 116                                                     | 129                                                     |
| 233                   | 69                   | 36                   | 88                                                         | 90                                                        | 74                                                         | 46                                                        | 88                                                     | 46                                                     | 89                                                      | 155                                                     | 116                                                     | 129                                                     |
| 234                   | 69                   | 57                   | 88                                                         | 89                                                        | 71                                                         | 46                                                        | 87                                                     | 47                                                     | 85                                                      | 148                                                     | 111                                                     | 124                                                     |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>OUTSD<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>6.30<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>8.00<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 235                   | 70                   | 18                   | 89                                                          | 89                                                         | 70                                                          | 47                                                       | 85                                             | 47                                                     | 84                                                      | 147                                                     | 186                                                     | 121                                                     |
| 236                   | 70                   | 39                   | 88                                                          | 87                                                         | 68                                                          | 46                                                       | 83                                             | 48                                                     | 81                                                      | 140                                                     | 182                                                     | 116                                                     |
| 237                   | 71                   | 0                    | 88                                                          | 88                                                         | 68                                                          | 45                                                       | 81                                             | 48                                                     | 80                                                      | 135                                                     | 181                                                     | 115                                                     |
| 238                   | 71                   | 21                   | 87                                                          | 86                                                         | 69                                                          | 46                                                       | 81                                             | 49                                                     | 78                                                      | 133                                                     | 180                                                     | 113                                                     |
| 239                   | 72                   | 42                   | 86                                                          | 86                                                         | 68                                                          | 47                                                       | 80                                             | 49                                                     | 76                                                      | 133                                                     | 180                                                     | 113                                                     |
| 240                   | 72                   | 3                    | 86                                                          | 86                                                         | 68                                                          | 45                                                       | 78                                             | 48                                                     | 75                                                      | 131                                                     | 180                                                     | 113                                                     |
| 241                   | 72                   | 24                   | 85                                                          | 86                                                         | 69                                                          | 45                                                       | 77                                             | 47                                                     | 75                                                      | 130                                                     | 180                                                     | 114                                                     |
| 242                   | 72                   | 45                   | 85                                                          | 86                                                         | 69                                                          | 45                                                       | 78                                             | 48                                                     | 76                                                      | 132                                                     | 183                                                     | 113                                                     |
| 243                   | 73                   | 6                    | 86                                                          | 84                                                         | 70                                                          | 46                                                       | 81                                             | 49                                                     | 76                                                      | 133                                                     | 187                                                     | 109                                                     |
| 244                   | 73                   | 27                   | 85                                                          | 83                                                         | 70                                                          | 46                                                       | 80                                             | 48                                                     | 75                                                      | 130                                                     | 180                                                     | 111                                                     |
| 245                   | 73                   | 48                   | 85                                                          | 83                                                         | 69                                                          | 46                                                       | 77                                             | 48                                                     | 76                                                      | 129                                                     | 180                                                     | 115                                                     |
| 246                   | 74                   | 9                    | 85                                                          | 83                                                         | 69                                                          | 46                                                       | 79                                             | 49                                                     | 79                                                      | 137                                                     | 183                                                     | 122                                                     |
| 247                   | 74                   | 30                   | 85                                                          | 84                                                         | 69                                                          | 45                                                       | 80                                             | 47                                                     | 80                                                      | 144                                                     | 185                                                     | 125                                                     |
| 248                   | 74                   | 51                   | 85                                                          | 84                                                         | 70                                                          | 46                                                       | 83                                             | 47                                                     | 82                                                      | 150                                                     | 187                                                     | 127                                                     |
| 249                   | 75                   | 12                   | 85                                                          | 85                                                         | 70                                                          | 47                                                       | 83                                             | 46                                                     | 84                                                      | 153                                                     | 186                                                     | 127                                                     |
| 250                   | 75                   | 33                   | 85                                                          | 84                                                         | 71                                                          | 46                                                       | 83                                             | 46                                                     | 84                                                      | 154                                                     | 187                                                     | 128                                                     |
| 251                   | 76                   | 54                   | 86                                                          | 84                                                         | 70                                                          | 47                                                       | 85                                             | 46                                                     | 85                                                      | 154                                                     | 186                                                     | 129                                                     |
| 252                   | 76                   | 13                   | 85                                                          | 85                                                         | 72                                                          | 47                                                       | 86                                             | 46                                                     | 85                                                      | 155                                                     | 186                                                     | 129                                                     |
| 253                   | 76                   | 37                   | 85                                                          | 86                                                         | 71                                                          | 46                                                       | 87                                             | 46                                                     | 85                                                      | 156                                                     | 186                                                     | 129                                                     |
| 254                   | 77                   | 58                   | 86                                                          | 87                                                         | 71                                                          | 47                                                       | 87                                             | 46                                                     | 87                                                      | 157                                                     | 186                                                     | 129                                                     |
| 255                   | 77                   | 19                   | 86                                                          | 86                                                         | 71                                                          | 47                                                       | 87                                             | 47                                                     | 88                                                      | 157                                                     | 187                                                     | 130                                                     |
| 256                   | 77                   | 40                   | 85                                                          | 85                                                         | 71                                                          | 47                                                       | 88                                             | 47                                                     | 87                                                      | 158                                                     | 188                                                     | 130                                                     |
| 257                   | 78                   | 1                    | 87                                                          | 87                                                         | 72                                                          | 47                                                       | 88                                             | 46                                                     | 87                                                      | 159                                                     | 188                                                     | 129                                                     |
| 258                   | 78                   | 22                   | 87                                                          | 87                                                         | 72                                                          | 46                                                       | 88                                             | 46                                                     | 88                                                      | 159                                                     | 187                                                     | 130                                                     |
| 259                   | 78                   | 43                   | 86                                                          | 86                                                         | 72                                                          | 47                                                       | 89                                             | 46                                                     | 88                                                      | 160                                                     | 189                                                     | 130                                                     |
| 260                   | 79                   | 4                    | 87                                                          | 87                                                         | 72                                                          | 46                                                       | 88                                             | 46                                                     | 88                                                      | 160                                                     | 188                                                     | 130                                                     |
| 261                   | 79                   | 26                   | 88                                                          | 88                                                         | 72                                                          | 47                                                       | 89                                             | 47                                                     | 88                                                      | 160                                                     | 188                                                     | 129                                                     |
| 262                   | 79                   | 47                   | 87                                                          | 88                                                         | 73                                                          | 46                                                       | 89                                             | 47                                                     | 89                                                      | 160                                                     | 188                                                     | 130                                                     |
| 263                   | 80                   | 8                    | 88                                                          | 88                                                         | 73                                                          | 47                                                       | 89                                             | 46                                                     | 89                                                      | 161                                                     | 188                                                     | 130                                                     |
| 264                   | 80                   | 29                   | 88                                                          | 88                                                         | 73                                                          | 47                                                       | 90                                             | 46                                                     | 89                                                      | 161                                                     | 188                                                     | 131                                                     |
| 265                   | 80                   | 50                   | 88                                                          | 88                                                         | 73                                                          | 47                                                       | 89                                             | 46                                                     | 89                                                      | 161                                                     | 188                                                     | 130                                                     |
| 266                   | 81                   | 11                   | 87                                                          | 87                                                         | 73                                                          | 47                                                       | 89                                             | 46                                                     | 89                                                      | 161                                                     | 187                                                     | 130                                                     |
| 267                   | 81                   | 32                   | 88                                                          | 88                                                         | 73                                                          | 48                                                       | 89                                             | 46                                                     | 88                                                      | 160                                                     | 187                                                     | 131                                                     |
| 268                   | 81                   | 54                   | 88                                                          | 88                                                         | 73                                                          | 49                                                       | 89                                             | 47                                                     | 88                                                      | 160                                                     | 187                                                     | 130                                                     |
| 269                   | 82                   | 15                   | 87                                                          | 88                                                         | 74                                                          | 48                                                       | 89                                             | 48                                                     | 87                                                      | 158                                                     | 183                                                     | 128                                                     |
| 270                   | 82                   | 36                   | 88                                                          | 90                                                         | 74                                                          | 48                                                       | 88                                             | 49                                                     | 84                                                      | 153                                                     | 184                                                     | 117                                                     |
| 271                   | 83                   | 57                   | 88                                                          | 90                                                         | 74                                                          | 48                                                       | 88                                             | 51                                                     | 84                                                      | 141                                                     | 99                                                      | 112                                                     |
| 272                   | 83                   | 18                   | 87                                                          | 90                                                         | 74                                                          | 47                                                       | 85                                             | 51                                                     | 80                                                      | 130                                                     | 96                                                      | 106                                                     |
| 273                   | 83                   | 39                   | 87                                                          | 90                                                         | 73                                                          | 47                                                       | 84                                             | 52                                                     | 75                                                      | 123                                                     | 95                                                      | 104                                                     |
| 274                   | 84                   | 0                    | 86                                                          | 89                                                         | 73                                                          | 47                                                       | 82                                             | 53                                                     | 73                                                      | 118                                                     | 95                                                      | 102                                                     |
| 275                   | 84                   | 21                   | 86                                                          | 88                                                         | 73                                                          | 47                                                       | 82                                             | 54                                                     | 73                                                      | 116                                                     | 95                                                      | 101                                                     |
| 276                   | 84                   | 42                   | 86                                                          | 88                                                         | 72                                                          | 47                                                       | 81                                             | 53                                                     | 72                                                      | 113                                                     | 93                                                      | 100                                                     |
| 277                   | 85                   | 3                    | 86                                                          | 88                                                         | 72                                                          | 47                                                       | 80                                             | 54                                                     | 72                                                      | 113                                                     | 94                                                      | 99                                                      |
| 278                   | 85                   | 24                   | 84                                                          | 88                                                         | 73                                                          | 46                                                       | 80                                             | 53                                                     | 71                                                      | 113                                                     | 94                                                      | 99                                                      |
| 279                   | 85                   | 45                   | 83                                                          | 87                                                         | 71                                                          | 46                                                       | 79                                             | 53                                                     | 69                                                      | 112                                                     | 92                                                      | 98                                                      |
| 280                   | 86                   | 6                    | 85                                                          | 86                                                         | 71                                                          | 46                                                       | 79                                             | 49                                                     | 73                                                      | 119                                                     | 107                                                     | 114                                                     |
| 281                   | 86                   | 27                   | 85                                                          | 85                                                         | 71                                                          | 46                                                       | 80                                             | 48                                                     | 76                                                      | 130                                                     | 112                                                     | 119                                                     |
| 282                   | 87                   | 48                   | 83                                                          | 84                                                         | 71                                                          | 46                                                       | 80                                             | 47                                                     | 79                                                      | 140                                                     | 113                                                     | 123                                                     |
| 283                   | 87                   | 9                    | 83                                                          | 84                                                         | 71                                                          | 46                                                       | 82                                             | 47                                                     | 81                                                      | 145                                                     | 115                                                     | 125                                                     |
| 284                   | 87                   | 30                   | 84                                                          | 84                                                         | 71                                                          | 46                                                       | 83                                             | 47                                                     | 82                                                      | 148                                                     | 116                                                     | 126                                                     |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>FXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTAO<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPRS<br>CSE<br>SIG.3<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPRS<br>CSE<br>SIG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPRS<br>CSE<br>SIG.3<br>4.00<br>DEG.C | 7-15<br>ENG.1<br>COMPRS<br>CSE<br>SIG.4<br>3.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 205                   | 87                   | 52                   | 83                                                         | 84                                                        | 70                                                         | 46                                                        | 83                                                     | 47                                                     | 83                                                       | 150                                                      | 115                                                      | 126                                                      |
| 206                   | 88                   | 13                   | 84                                                         | 85                                                        | 71                                                         | 46                                                        | 84                                                     | 47                                                     | 84                                                       | 151                                                      | 115                                                      | 126                                                      |
| 207                   | 88                   | 34                   | 84                                                         | 85                                                        | 70                                                         | 46                                                        | 85                                                     | 47                                                     | 85                                                       | 152                                                      | 115                                                      | 127                                                      |
| 208                   | 88                   | 55                   | 84                                                         | 85                                                        | 71                                                         | 46                                                        | 85                                                     | 47                                                     | 85                                                       | 152                                                      | 114                                                      | 126                                                      |
| 209                   | 89                   | 16                   | 84                                                         | 86                                                        | 70                                                         | 46                                                        | 85                                                     | 47                                                     | 85                                                       | 153                                                      | 113                                                      | 127                                                      |
| 210                   | 89                   | 37                   | 84                                                         | 85                                                        | 71                                                         | 45                                                        | 86                                                     | 47                                                     | 86                                                       | 154                                                      | 115                                                      | 128                                                      |
| 211                   | 89                   | 59                   | 85                                                         | 85                                                        | 72                                                         | 46                                                        | 85                                                     | 47                                                     | 86                                                       | 152                                                      | 115                                                      | 128                                                      |
| 212                   | 90                   | 20                   | 84                                                         | 85                                                        | 71                                                         | 47                                                        | 86                                                     | 47                                                     | 85                                                       | 152                                                      | 116                                                      | 128                                                      |
| 213                   | 90                   | 41                   | 84                                                         | 87                                                        | 71                                                         | 46                                                        | 86                                                     | 47                                                     | 86                                                       | 153                                                      | 116                                                      | 127                                                      |
| 214                   | 91                   | 2                    | 85                                                         | 86                                                        | 71                                                         | 46                                                        | 87                                                     | 48                                                     | 86                                                       | 152                                                      | 116                                                      | 128                                                      |
| 215                   | 91                   | 23                   | 86                                                         | 85                                                        | 72                                                         | 46                                                        | 87                                                     | 47                                                     | 85                                                       | 150                                                      | 116                                                      | 128                                                      |
| 216                   | 91                   | 44                   | 85                                                         | 86                                                        | 73                                                         | 47                                                        | 87                                                     | 47                                                     | 84                                                       | 150                                                      | 116                                                      | 128                                                      |
| 217                   | 92                   | 5                    | 85                                                         | 86                                                        | 72                                                         | 46                                                        | 86                                                     | 48                                                     | 84                                                       | 150                                                      | 116                                                      | 128                                                      |
| 218                   | 92                   | 27                   | 85                                                         | 86                                                        | 72                                                         | 46                                                        | 87                                                     | 48                                                     | 84                                                       | 149                                                      | 115                                                      | 128                                                      |
| 219                   | 92                   | 48                   | 86                                                         | 87                                                        | 73                                                         | 47                                                        | 86                                                     | 48                                                     | 84                                                       | 147                                                      | 114                                                      | 127                                                      |
| 220                   | 93                   | 9                    | 87                                                         | 88                                                        | 72                                                         | 47                                                        | 87                                                     | 48                                                     | 83                                                       | 148                                                      | 115                                                      | 127                                                      |
| 221                   | 93                   | 30                   | 86                                                         | 87                                                        | 73                                                         | 47                                                        | 88                                                     | 48                                                     | 84                                                       | 150                                                      | 116                                                      | 127                                                      |
| 222                   | 93                   | 51                   | 85                                                         | 87                                                        | 72                                                         | 47                                                        | 88                                                     | 48                                                     | 85                                                       | 150                                                      | 115                                                      | 126                                                      |
| 223                   | 94                   | 12                   | 86                                                         | 87                                                        | 73                                                         | 47                                                        | 88                                                     | 48                                                     | 85                                                       | 152                                                      | 115                                                      | 127                                                      |
| 224                   | 94                   | 33                   | 87                                                         | 88                                                        | 72                                                         | 45                                                        | 88                                                     | 48                                                     | 85                                                       | 151                                                      | 115                                                      | 127                                                      |
| 225                   | 94                   | 54                   | 88                                                         | 88                                                        | 72                                                         | 46                                                        | 87                                                     | 48                                                     | 85                                                       | 152                                                      | 114                                                      | 128                                                      |
| 226                   | 95                   | 16                   | 88                                                         | 88                                                        | 73                                                         | 46                                                        | 87                                                     | 48                                                     | 86                                                       | 149                                                      | 115                                                      | 127                                                      |
| 227                   | 95                   | 37                   | 86                                                         | 88                                                        | 72                                                         | 46                                                        | 87                                                     | 48                                                     | 84                                                       | 150                                                      | 114                                                      | 127                                                      |
| 228                   | 95                   | 58                   | 86                                                         | 88                                                        | 72                                                         | 47                                                        | 87                                                     | 48                                                     | 84                                                       | 152                                                      | 114                                                      | 127                                                      |
| 229                   | 96                   | 19                   | 87                                                         | 88                                                        | 72                                                         | 46                                                        | 88                                                     | 48                                                     | 85                                                       | 151                                                      | 115                                                      | 127                                                      |
| 230                   | 96                   | 40                   | 87                                                         | 88                                                        | 72                                                         | 46                                                        | 88                                                     | 48                                                     | 85                                                       | 152                                                      | 116                                                      | 128                                                      |
| 231                   | 97                   | 1                    | 88                                                         | 88                                                        | 73                                                         | 47                                                        | 89                                                     | 48                                                     | 86                                                       | 152                                                      | 116                                                      | 127                                                      |
| 232                   | 97                   | 22                   | 87                                                         | 88                                                        | 72                                                         | 48                                                        | 88                                                     | 48                                                     | 85                                                       | 152                                                      | 116                                                      | 129                                                      |
| 233                   | 97                   | 44                   | 87                                                         | 88                                                        | 74                                                         | 48                                                        | 88                                                     | 48                                                     | 85                                                       | 152                                                      | 116                                                      | 129                                                      |
| 234                   | 98                   | 5                    | 89                                                         | 89                                                        | 73                                                         | 49                                                        | 89                                                     | 48                                                     | 86                                                       | 154                                                      | 116                                                      | 129                                                      |
| 235                   | 98                   | 26                   | 87                                                         | 89                                                        | 73                                                         | 48                                                        | 88                                                     | 48                                                     | 86                                                       | 152                                                      | 112                                                      | 127                                                      |
| 236                   | 98                   | 47                   | 88                                                         | 89                                                        | 73                                                         | 48                                                        | 88                                                     | 52                                                     | 83                                                       | 148                                                      | 103                                                      | 115                                                      |
| 237                   | 99                   | 8                    | 88                                                         | 90                                                        | 73                                                         | 48                                                        | 88                                                     | 52                                                     | 80                                                       | 136                                                      | 99                                                       | 110                                                      |
| 238                   | 99                   | 25                   | 87                                                         | 89                                                        | 74                                                         | 48                                                        | 86                                                     | 53                                                     | 77                                                       | 137                                                      | 96                                                       | 107                                                      |
| 239                   | 99                   | 50                   | 89                                                         | 89                                                        | 73                                                         | 48                                                        | 84                                                     | 53                                                     | 75                                                       | 121                                                      | 96                                                       | 105                                                      |
| 240                   | 100                  | 11                   | 86                                                         | 89                                                        | 72                                                         | 47                                                        | 84                                                     | 54                                                     | 74                                                       | 113                                                      | 95                                                       | 103                                                      |
| 241                   | 100                  | 32                   | 85                                                         | 88                                                        | 72                                                         | 48                                                        | 83                                                     | 56                                                     | 73                                                       | 116                                                      | 96                                                       | 103                                                      |
| 242                   | 100                  | 53                   | 88                                                         | 88                                                        | 73                                                         | 48                                                        | 82                                                     | 56                                                     | 73                                                       | 115                                                      | 95                                                       | 102                                                      |
| 243                   | 101                  | 14                   | 85                                                         | 89                                                        | 73                                                         | 48                                                        | 82                                                     | 56                                                     | 73                                                       | 115                                                      | 95                                                       | 102                                                      |
| 244                   | 101                  | 35                   | 87                                                         | 89                                                        | 73                                                         | 48                                                        | 81                                                     | 57                                                     | 73                                                       | 114                                                      | 96                                                       | 101                                                      |
| 245                   | 101                  | 56                   | 86                                                         | 88                                                        | 74                                                         | 48                                                        | 81                                                     | 58                                                     | 73                                                       | 114                                                      | 95                                                       | 101                                                      |
| 246                   | 101                  | 17                   | 84                                                         | 86                                                        | 72                                                         | 46                                                        | 80                                                     | 57                                                     | 72                                                       | 113                                                      | 96                                                       | 103                                                      |
| 247                   | 102                  | 38                   | 83                                                         | 87                                                        | 72                                                         | 46                                                        | 80                                                     | 54                                                     | 75                                                       | 121                                                      | 108                                                      | 115                                                      |
| 248                   | 102                  | 59                   | 85                                                         | 86                                                        | 72                                                         | 45                                                        | 81                                                     | 53                                                     | 77                                                       | 132                                                      | 112                                                      | 119                                                      |
| 249                   | 102                  | 20                   | 84                                                         | 87                                                        | 72                                                         | 47                                                        | 82                                                     | 52                                                     | 80                                                       | 141                                                      | 113                                                      | 122                                                      |
| 250                   | 103                  | 42                   | 84                                                         | 87                                                        | 72                                                         | 46                                                        | 83                                                     | 51                                                     | 83                                                       | 145                                                      | 115                                                      | 123                                                      |
| 251                   | 103                  | 63                   | 84                                                         | 86                                                        | 72                                                         | 46                                                        | 83                                                     | 51                                                     | 83                                                       | 147                                                      | 115                                                      | 126                                                      |
| 252                   | 104                  | 24                   | 83                                                         | 86                                                        | 72                                                         | 46                                                        | 84                                                     | 50                                                     | 84                                                       | 149                                                      | 114                                                      | 125                                                      |
| 253                   | 104                  | 45                   | 83                                                         | 87                                                        | 72                                                         | 47                                                        | 84                                                     | 51                                                     | 84                                                       | 151                                                      | 115                                                      | 126                                                      |
| 254                   | 104                  | 66                   | 84                                                         | 87                                                        | 72                                                         | 47                                                        | 84                                                     | 51                                                     | 85                                                       | 152                                                      | 116                                                      | 128                                                      |
| 255                   | 105                  | 8                    | 87                                                         | 87                                                        | 73                                                         | 48                                                        | 84                                                     | 51                                                     | 86                                                       | 153                                                      | 116                                                      | 129                                                      |

| -01<br>SPEED<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>OUTBD<br>DEG.C | 7-09<br>ENG.1<br>FUEL<br>CONTROL<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LOBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>6.00<br>DEG.C | 7-15<br>ENG.1<br>COMPRS<br>CSE<br>STG.4<br>3.00<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------|---------------------------------------------------|----------------------------------------------------|---------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 325                   | 105                  | 27                   | 86                                                 | 87                                                | 73                                                 | 48                                                | 86                                                     | 51                                                     | 85                                                       | 153                                                      | 115                                                      | 126                                                      |
| 336                   | 105                  | 49                   | 86                                                 | 88                                                | 72                                                 | 47                                                | 87                                                     | 51                                                     | 86                                                       | 151                                                      | 115                                                      | 126                                                      |
| 337                   | 106                  | 10                   | 87                                                 | 88                                                | 72                                                 | 47                                                | 86                                                     | 50                                                     | 84                                                       | 152                                                      | 113                                                      | 127                                                      |
| 338                   | 106                  | 31                   | 86                                                 | 89                                                | 72                                                 | 46                                                | 87                                                     | 50                                                     | 84                                                       | 151                                                      | 113                                                      | 127                                                      |
| 339                   | 106                  | 52                   | 87                                                 | 88                                                | 72                                                 | 47                                                | 87                                                     | 50                                                     | 84                                                       | 150                                                      | 114                                                      | 127                                                      |
| 340                   | 107                  | 13                   | 86                                                 | 88                                                | 72                                                 | 48                                                | 88                                                     | 51                                                     | 84                                                       | 150                                                      | 113                                                      | 127                                                      |
| 341                   | 107                  | 34                   | 87                                                 | 89                                                | 71                                                 | 47                                                | 88                                                     | 51                                                     | 82                                                       | 149                                                      | 112                                                      | 125                                                      |
| 342                   | 107                  | 56                   | 87                                                 | 88                                                | 72                                                 | 48                                                | 88                                                     | 52                                                     | 83                                                       | 150                                                      | 113                                                      | 127                                                      |
| 343                   | 107                  | 17                   | 87                                                 | 88                                                | 72                                                 | 47                                                | 87                                                     | 51                                                     | 83                                                       | 150                                                      | 115                                                      | 128                                                      |
| 344                   | 108                  | 38                   | 87                                                 | 89                                                | 73                                                 | 48                                                | 87                                                     | 50                                                     | 84                                                       | 153                                                      | 116                                                      | 128                                                      |
| 345                   | 108                  | 59                   | 87                                                 | 88                                                | 73                                                 | 48                                                | 88                                                     | 51                                                     | 86                                                       | 154                                                      | 116                                                      | 128                                                      |
| 346                   | 109                  | 20                   | 87                                                 | 90                                                | 73                                                 | 48                                                | 88                                                     | 51                                                     | 85                                                       | 153                                                      | 116                                                      | 130                                                      |
| 347                   | 109                  | 42                   | 88                                                 | 89                                                | 72                                                 | 47                                                | 88                                                     | 50                                                     | 84                                                       | 152                                                      | 115                                                      | 129                                                      |
| 348                   | 110                  | 3                    | 87                                                 | 89                                                | 72                                                 | 47                                                | 87                                                     | 51                                                     | 85                                                       | 152                                                      | 115                                                      | 129                                                      |
| 349                   | 110                  | 24                   | 88                                                 | 88                                                | 72                                                 | 47                                                | 87                                                     | 51                                                     | 83                                                       | 150                                                      | 112                                                      | 126                                                      |
| 350                   | 110                  | 45                   | 86                                                 | 88                                                | 72                                                 | 48                                                | 88                                                     | 51                                                     | 83                                                       | 150                                                      | 114                                                      | 127                                                      |
| 351                   | 111                  | 6                    | 86                                                 | 89                                                | 72                                                 | 48                                                | 87                                                     | 52                                                     | 83                                                       | 150                                                      | 111                                                      | 124                                                      |
| 352                   | 111                  | 27                   | 87                                                 | 89                                                | 73                                                 | 48                                                | 87                                                     | 51                                                     | 82                                                       | 150                                                      | 111                                                      | 124                                                      |
| 353                   | 111                  | 48                   | 87                                                 | 89                                                | 73                                                 | 48                                                | 87                                                     | 51                                                     | 81                                                       | 145                                                      | 105                                                      | 117                                                      |
| 354                   | 112                  | 9                    | 87                                                 | 89                                                | 72                                                 | 48                                                | 85                                                     | 54                                                     | 79                                                       | 137                                                      | 98                                                       | 111                                                      |
| 355                   | 112                  | 30                   | 87                                                 | 88                                                | 72                                                 | 48                                                | 85                                                     | 55                                                     | 77                                                       | 129                                                      | 97                                                       | 109                                                      |
| 356                   | 112                  | 51                   | 85                                                 | 88                                                | 73                                                 | 47                                                | 84                                                     | 55                                                     | 75                                                       | 126                                                      | 96                                                       | 107                                                      |
| 357                   | 113                  | 12                   | 85                                                 | 88                                                | 72                                                 | 47                                                | 82                                                     | 55                                                     | 74                                                       | 122                                                      | 96                                                       | 105                                                      |
| 358                   | 113                  | 33                   | 87                                                 | 88                                                | 73                                                 | 47                                                | 82                                                     | 56                                                     | 74                                                       | 119                                                      | 97                                                       | 105                                                      |
| 359                   | 113                  | 54                   | 84                                                 | 87                                                | 71                                                 | 46                                                | 82                                                     | 57                                                     | 74                                                       | 118                                                      | 103                                                      | 107                                                      |
| 360                   | 114                  | 15                   | 84                                                 | 87                                                | 72                                                 | 46                                                | 82                                                     | 56                                                     | 74                                                       | 118                                                      | 103                                                      | 106                                                      |
| 361                   | 114                  | 36                   | 83                                                 | 87                                                | 72                                                 | 44                                                | 81                                                     | 57                                                     | 75                                                       | 113                                                      | 102                                                      | 105                                                      |
| 362                   | 114                  | 57                   | 83                                                 | 87                                                | 71                                                 | 44                                                | 80                                                     | 57                                                     | 74                                                       | 113                                                      | 102                                                      | 105                                                      |
| 363                   | 115                  | 18                   | 81                                                 | 85                                                | 70                                                 | 41                                                | 80                                                     | 56                                                     | 73                                                       | 115                                                      | 98                                                       | 105                                                      |
| 364                   | 115                  | 40                   | 84                                                 | 87                                                | 72                                                 | 44                                                | 82                                                     | 59                                                     | 72                                                       | 113                                                      | 84                                                       | 92                                                       |
| 365                   | 116                  | 1                    | 83                                                 | 87                                                | 74                                                 | 50                                                | 82                                                     | 60                                                     | 69                                                       | 107                                                      | 75                                                       | 84                                                       |
| 366                   | 116                  | 22                   | 87                                                 | 85                                                | 74                                                 | 50                                                | 83                                                     | 60                                                     | 67                                                       | 107                                                      | 70                                                       | 80                                                       |
| 367                   | 116                  | 44                   | 84                                                 | 85                                                | 75                                                 | 47                                                | 84                                                     | 61                                                     | 66                                                       | 99                                                       | 69                                                       | 80                                                       |
| 368                   | 117                  | 13                   | 83                                                 | 83                                                | 76                                                 | 77                                                | 84                                                     | 61                                                     | 62                                                       | 93                                                       | 72                                                       | 77                                                       |
| 369                   | 117                  | 34                   | 83                                                 | 82                                                | 76                                                 | 78                                                | 85                                                     | 60                                                     | 62                                                       | 85                                                       | 72                                                       | 79                                                       |
| 370                   | 117                  | 55                   | 83                                                 | 83                                                | 75                                                 | 77                                                | 83                                                     | 59                                                     | 63                                                       | 87                                                       | 73                                                       | 80                                                       |
| 371                   | 120                  | 15                   | 84                                                 | 84                                                | 76                                                 | 77                                                | 84                                                     | 60                                                     | 64                                                       | 89                                                       | 75                                                       | 81                                                       |
| 372                   | 120                  | 37                   | 87                                                 | 83                                                | 75                                                 | 77                                                | 84                                                     | 60                                                     | 65                                                       | 89                                                       | 75                                                       | 82                                                       |
| 373                   | 120                  | 58                   | 87                                                 | 83                                                | 75                                                 | 77                                                | 84                                                     | 60                                                     | 65                                                       | 89                                                       | 75                                                       | 84                                                       |
| 374                   | 121                  | 20                   | 84                                                 | 82                                                | 75                                                 | 76                                                | 83                                                     | 60                                                     | 65                                                       | 91                                                       | 76                                                       | 85                                                       |
| 375                   | 121                  | 41                   | 83                                                 | 83                                                | 76                                                 | 76                                                | 83                                                     | 60                                                     | 66                                                       | 92                                                       | 76                                                       | 85                                                       |
| 376                   | 121                  | 62                   | 83                                                 | 82                                                | 74                                                 | 74                                                | 82                                                     | 60                                                     | 69                                                       | 96                                                       | 77                                                       | 87                                                       |
| 377                   | 122                  | 84                   | 82                                                 | 81                                                | 75                                                 | 74                                                | 82                                                     | 60                                                     | 69                                                       | 95                                                       | 77                                                       | 87                                                       |
| 378                   | 122                  | 105                  | 83                                                 | 82                                                | 76                                                 | 73                                                | 83                                                     | 60                                                     | 68                                                       | 94                                                       | 77                                                       | 87                                                       |
| 379                   | 124                  | 27                   | 82                                                 | 81                                                | 75                                                 | 72                                                | 81                                                     | 60                                                     | 70                                                       | 94                                                       | 76                                                       | 87                                                       |
| 380                   | 124                  | 49                   | 82                                                 | 81                                                | 76                                                 | 73                                                | 81                                                     | 60                                                     | 70                                                       | 95                                                       | 76                                                       | 87                                                       |
| 381                   | 124                  | 71                   | 78                                                 | 76                                                | 71                                                 | 65                                                | 74                                                     | 59                                                     | 64                                                       | 85                                                       | 67                                                       | 80                                                       |
| 382                   | 124                  | 93                   | 78                                                 | 76                                                | 72                                                 | 65                                                | 74                                                     | 60                                                     | 64                                                       | 85                                                       | 67                                                       | 80                                                       |
| 383                   | 126                  | 15                   | 78                                                 | 77                                                | 71                                                 | 66                                                | 74                                                     | 60                                                     | 64                                                       | 85                                                       | 67                                                       | 80                                                       |
| 384                   | 126                  | 37                   | 77                                                 | 77                                                | 71                                                 | 65                                                | 74                                                     | 60                                                     | 64                                                       | 85                                                       | 67                                                       | 80                                                       |
| 385                   | 126                  | 59                   | 77                                                 | 77                                                | 71                                                 | 65                                                | 74                                                     | 60                                                     | 64                                                       | 85                                                       | 67                                                       | 80                                                       |
| 386                   | 126                  | 81                   | 77                                                 | 77                                                | 71                                                 | 65                                                | 74                                                     | 60                                                     | 64                                                       | 85                                                       | 67                                                       | 80                                                       |
| 387                   | 126                  | 103                  | 77                                                 | 77                                                | 71                                                 | 65                                                | 74                                                     | 60                                                     | 64                                                       | 85                                                       | 67                                                       | 80                                                       |

|        |      |      |        |        |        |        |       |       |        |        |        |        |
|--------|------|------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|
| -51    | 7-02 | 7-03 | 7-05   | 7-06   | 7-07   | 7-08   | 7-09  | 7-10  | 7-11   | 7-13   | 7-14   | 7-15   |
| SWEET  | TIME | TIME | ENG.1  | ENG.1  | ENG.1  | ENG.1  | ENG.1 | ENG.1 | ENG.1  | ENG.1  | ENG.1  | ENG.1  |
| COUNTY | MIN. | SEC. | IGNIT  | IGNIT  | IGNIT  | FUEL   | LUBE  | FUEL  | COMPRS | COMPRS | COMPRS | COMPRS |
|        |      |      | EXCITR | EXCITR | EXCITR | CONTRL | PUMP  | PUMP  | CSE    | CSE    | CSE    | CSE    |
|        |      |      | SKIN   | SKIN   | SKIN   | CASE   | CASE  | CASE  | STG.2  | STG.1  | STG.3  | STG.4  |
|        |      |      | TEMP   | TEMP   | TEMP   | TEMP   | TEMP  | TEMP  | 4.38   | 4.38   | 5.00   | 3.00   |
|        |      |      | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C | DEG.C | DEG.C  | DEG.C  | DEG.C  | DEG.C  |
| 385    | 131  | 19   | 78     | 77     | 72     | 65     | 73    | 60    | 64     | 84     | 67     | 80     |
| 386    | 139  | 59   | 76     | 75     | 70     | 63     | 69    | 60    | 63     | 80     | 66     | 78     |
| 387    | 140  | 21   | 75     | 74     | 70     | 63     | 68    | 60    | 63     | 80     | 66     | 77     |
| 388    | 140  | 35   | 75     | 74     | 70     | 63     | 68    | 61    | 62     | 80     | 65     | 78     |
| 389    | 141  | 4    | 75     | 74     | 69     | 63     | 69    | 61    | 63     | 80     | 65     | 77     |
| 390    | 141  | 26   | 75     | 74     | 69     | 62     | 68    | 60    | 63     | 78     | 65     | 76     |
| 391    | 149  | 4    | 72     | 71     | 67     | 62     | 66    | 60    | 62     | 78     | 65     | 76     |
| 392    | 149  | 25   | 72     | 71     | 67     | 61     | 65    | 60    | 61     | 78     | 65     | 76     |
| 393    | 149  | 47   | 72     | 70     | 66     | 62     | 65    | 60    | 61     | 77     | 65     | 76     |
| 394    | 150  | 9    | 72     | 71     | 67     | 61     | 64    | 60    | 61     | 77     | 65     | 75     |
| 395    | 150  | 30   | 71     | 70     | 66     | 61     | 65    | 60    | 62     | 77     | 64     | 75     |
| 396    | 150  | 52   | 71     | 70     | 67     | 61     | 65    | 60    | 61     | 77     | 65     |        |

44-53C S/N 88-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| SWEEP<br>POINT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>SAS<br>GN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG.1<br>SAS<br>GN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>6.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|----------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 79             | 1                    | 17                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 42                                                       |
| 80             | 1                    | 17                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 42                                                       |
| 81             | 2                    | 0                    | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 41                                                      | 43                                                       | 42                                                       |
| 82             | 2                    | 21                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 42                                                       |
| 83             | 2                    | 43                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 41                                                      | 43                                                       | 42                                                       |
| 84             | 3                    | 4                    | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 42                                                       |
| 85             | 3                    | 25                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 41                                                      | 43                                                       | 42                                                       |
| 86             | 3                    | 47                   | 42                                                      | 43                                                      | 42                                                      | 42                                                     | 43                                                      | 41                                                      | 41                                                      | 42                                                       | 42                                                       |
| 87             | 3                    | 8                    | 42                                                      | 44                                                      | 42                                                      | 42                                                     | 43                                                      | 41                                                      | 41                                                      | 42                                                       | 42                                                       |
| 88             | 4                    | 30                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 41                                                       |
| 89             | 4                    | 51                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 42                                                      | 42                                                       | 42                                                       |
| 90             | 5                    | 13                   | 42                                                      | 45                                                      | 42                                                      | 41                                                     | 43                                                      | 41                                                      | 41                                                      | 42                                                       | 42                                                       |
| 91             | 5                    | 34                   | 42                                                      | 45                                                      | 42                                                      | 41                                                     | 43                                                      | 40                                                      | 41                                                      | 42                                                       | 42                                                       |
| 92             | 5                    | 55                   | 42                                                      | 45                                                      | 41                                                      | 41                                                     | 43                                                      | 40                                                      | 41                                                      | 42                                                       | 42                                                       |
| 93             | 6                    | 17                   | 42                                                      | 44                                                      | 41                                                      | 41                                                     | 42                                                      | 41                                                      | 42                                                      | 42                                                       | 42                                                       |
| 94             | 6                    | 38                   | 42                                                      | 44                                                      | 42                                                      | 41                                                     | 43                                                      | 40                                                      | 41                                                      | 42                                                       | 42                                                       |
| 95             | 7                    | 0                    | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 43                                                      | 43                                                      | 44                                                       | 44                                                       |
| 96             | 7                    | 21                   | 44                                                      | 46                                                      | 45                                                      | 44                                                     | 45                                                      | 42                                                      | 44                                                      | 44                                                       | 44                                                       |
| 97             | 7                    | 42                   | 44                                                      | 46                                                      | 44                                                      | 44                                                     | 45                                                      | 43                                                      | 44                                                      | 44                                                       | 44                                                       |
| 98             | 8                    | 3                    | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 42                                                      | 44                                                      | 44                                                       | 44                                                       |
| 99             | 8                    | 24                   | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 43                                                      | 44                                                      | 44                                                       | 44                                                       |
| 100            | 8                    | 46                   | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 43                                                      | 44                                                      | 44                                                       | 44                                                       |
| 101            | 9                    | 7                    | 44                                                      | 46                                                      | 44                                                      | 44                                                     | 45                                                      | 43                                                      | 43                                                      | 45                                                       | 44                                                       |
| 102            | 9                    | 24                   | 44                                                      | 45                                                      | 44                                                      | 43                                                     | 45                                                      | 42                                                      | 43                                                      | 44                                                       | 44                                                       |
| 103            | 9                    | 49                   | 44                                                      | 45                                                      | 44                                                      | 43                                                     | 45                                                      | 43                                                      | 43                                                      | 44                                                       | 44                                                       |
| 104            | 9                    | 10                   | 44                                                      | 47                                                      | 44                                                      | 43                                                     | 45                                                      | 43                                                      | 43                                                      | 44                                                       | 44                                                       |
| 105            | 10                   | 31                   | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 42                                                      | 43                                                      | 44                                                       | 44                                                       |
| 106            | 10                   | 52                   | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 42                                                      | 44                                                      | 44                                                       | 44                                                       |
| 107            | 11                   | 14                   | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 43                                                      | 44                                                      | 44                                                       | 44                                                       |
| 108            | 11                   | 35                   | 44                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 43                                                      | 44                                                      | 44                                                       | 44                                                       |
| 109            | 11                   | 56                   | 44                                                      | 46                                                      | 43                                                      | 43                                                     | 44                                                      | 42                                                      | 43                                                      | 44                                                       | 43                                                       |
| 110            | 12                   | 17                   | 43                                                      | 46                                                      | 44                                                      | 43                                                     | 45                                                      | 42                                                      | 43                                                      | 44                                                       | 44                                                       |
| 111            | 12                   | 38                   | 44                                                      | 46                                                      | 44                                                      | 45                                                     | 46                                                      | 42                                                      | 42                                                      | 44                                                       | 43                                                       |
| 112            | 12                   | 59                   | 44                                                      | 46                                                      | 44                                                      | 44                                                     | 47                                                      | 44                                                      | 43                                                      | 44                                                       | 42                                                       |
| 113            | 13                   | 20                   | 45                                                      | 46                                                      | 45                                                      | 45                                                     | 47                                                      | 44                                                      | 45                                                      | 45                                                       | 44                                                       |
| 114            | 13                   | 42                   | 45                                                      | 46                                                      | 46                                                      | 45                                                     | 46                                                      | 44                                                      | 45                                                      | 46                                                       | 44                                                       |
| 115            | 14                   | 3                    | 45                                                      | 46                                                      | 45                                                      | 45                                                     | 46                                                      | 44                                                      | 45                                                      | 45                                                       | 44                                                       |
| 116            | 14                   | 24                   | 45                                                      | 46                                                      | 45                                                      | 44                                                     | 47                                                      | 44                                                      | 45                                                      | 46                                                       | 44                                                       |
| 117            | 14                   | 45                   | 45                                                      | 46                                                      | 45                                                      | 45                                                     | 46                                                      | 45                                                      | 45                                                      | 46                                                       | 44                                                       |
| 118            | 14                   | 55                   | 45                                                      | 46                                                      | 45                                                      | 45                                                     | 46                                                      | 45                                                      | 46                                                      | 46                                                       | 44                                                       |
| 119            | 15                   | 6                    | 45                                                      | 46                                                      | 46                                                      | 45                                                     | 47                                                      | 45                                                      | 45                                                      | 46                                                       | 44                                                       |
| 120            | 15                   | 48                   | 46                                                      | 46                                                      | 45                                                      | 45                                                     | 47                                                      | 45                                                      | 45                                                      | 47                                                       | 44                                                       |
| 121            | 15                   | 10                   | 46                                                      | 46                                                      | 46                                                      | 45                                                     | 47                                                      | 45                                                      | 46                                                      | 46                                                       | 44                                                       |
| 122            | 16                   | 10                   | 45                                                      | 46                                                      | 45                                                      | 45                                                     | 46                                                      | 45                                                      | 46                                                      | 46                                                       | 44                                                       |
| 123            | 16                   | 52                   | 45                                                      | 45                                                      | 45                                                      | 45                                                     | 47                                                      | 46                                                      | 46                                                      | 46                                                       | 44                                                       |

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>STG.4<br>6.00<br>DFG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>DSE<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>IN TR<br>DSE<br>12.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>IN TR<br>DSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POKER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>T5<br>HRNESS<br>TEMP<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 04                    | 17                   | 13                   | 45                                               | 46                                                      | 46                                                      | 45                                                     | 40                                                     | 46                                                      | 47                                                      | 46                                                       | 44                                                      |
| 05                    | 17                   | 34                   | 46                                               | 46                                                      | 46                                                      | 46                                                     | 40                                                     | 46                                                      | 47                                                      | 46                                                       | 44                                                      |
| 06                    | 17                   | 55                   | 46                                               | 46                                                      | 46                                                      | 46                                                     | 40                                                     | 46                                                      | 47                                                      | 46                                                       | 45                                                      |
| 07                    | 18                   | 16                   | 46                                               | 46                                                      | 46                                                      | 47                                                     | 40                                                     | 46                                                      | 47                                                      | 47                                                       | 45                                                      |
| 08                    | 18                   | 37                   | 46                                               | 46                                                      | 46                                                      | 46                                                     | 47                                                     | 46                                                      | 46                                                      | 46                                                       | 45                                                      |
| 09                    | 18                   | 4                    | 46                                               | 46                                                      | 46                                                      | 46                                                     | 46                                                     | 46                                                      | 45                                                      | 45                                                       | 43                                                      |
| 10                    | 19                   | 20                   | 44                                               | 44                                                      | 44                                                      | 44                                                     | 46                                                     | 45                                                      | 45                                                      | 45                                                       | 44                                                      |
| 11                    | 19                   | 41                   | 45                                               | 41                                                      | 46                                                      | 47                                                     | 47                                                     | 45                                                      | 46                                                      | 46                                                       | 44                                                      |
| 12                    | 20                   | 2                    | 45                                               | 41                                                      | 46                                                      | 47                                                     | 49                                                     | 45                                                      | 46                                                      | 46                                                       | 44                                                      |
| 13                    | 20                   | 23                   | 48                                               | 41                                                      | 47                                                      | 62                                                     | 82                                                     | 76                                                      | 63                                                      | 66                                                       | 45                                                      |
| 14                    | 20                   | 44                   | 52                                               | 40                                                      | 50                                                      | 155                                                    | 141                                                    | 116                                                     | 93                                                      | 106                                                      | 46                                                      |
| 15                    | 21                   | 5                    | 64                                               | 40                                                      | 58                                                      | 238                                                    | 232                                                    | 176                                                     | 134                                                     | 152                                                      | 48                                                      |
| 16                    | 21                   | 26                   | 76                                               | 40                                                      | 73                                                      | 235                                                    | 234                                                    | 238                                                     | 177                                                     | 194                                                      | 53                                                      |
| 17                    | 21                   | 47                   | 83                                               | 41                                                      | 73                                                      | 298                                                    | 304                                                    | 284                                                     | 216                                                     | 229                                                      | 60                                                      |
| 18                    | 22                   | 8                    | 82                                               | 41                                                      | 103                                                     | 291                                                    | 290                                                    | 308                                                     | 248                                                     | 245                                                      | 64                                                      |
| 19                    | 22                   | 50                   | 89                                               | 41                                                      | 113                                                     | 311                                                    | 310                                                    | 341                                                     | 298                                                     | 275                                                      | 77                                                      |
| 20                    | 23                   | 32                   | 92                                               | 40                                                      | 113                                                     | 311                                                    | 310                                                    | 341                                                     | 314                                                     | 285                                                      | 83                                                      |
| 21                    | 23                   | 53                   | 95                                               | 41                                                      | 112                                                     | 311                                                    | 309                                                    | 361                                                     | 326                                                     | 293                                                      | 88                                                      |
| 22                    | 23                   | 53                   | 95                                               | 41                                                      | 115                                                     | 313                                                    | 310                                                    | 371                                                     | 336                                                     | 297                                                      | 92                                                      |
| 23                    | 24                   | 14                   | 96                                               | 41                                                      | 115                                                     | 313                                                    | 310                                                    | 371                                                     | 336                                                     | 304                                                      | 97                                                      |
| 24                    | 24                   | 35                   | 96                                               | 41                                                      | 114                                                     | 312                                                    | 311                                                    | 374                                                     | 353                                                     | 308                                                      | 102                                                     |
| 25                    | 24                   | 56                   | 96                                               | 40                                                      | 114                                                     | 311                                                    | 311                                                    | 374                                                     | 353                                                     | 311                                                      | 107                                                     |
| 26                    | 25                   | 17                   | 96                                               | 41                                                      | 115                                                     | 314                                                    | 311                                                    | 376                                                     | 356                                                     | 314                                                      | 111                                                     |
| 27                    | 25                   | 38                   | 96                                               | 41                                                      | 116                                                     | 317                                                    | 317                                                    | 381                                                     | 359                                                     | 320                                                      | 114                                                     |
| 28                    | 25                   | 59                   | 97                                               | 43                                                      | 116                                                     | 320                                                    | 317                                                    | 381                                                     | 363                                                     | 322                                                      | 117                                                     |
| 29                    | 26                   | 20                   | 97                                               | 41                                                      | 118                                                     | 320                                                    | 318                                                    | 389                                                     | 367                                                     | 324                                                      | 121                                                     |
| 30                    | 26                   | 41                   | 97                                               | 40                                                      | 120                                                     | 317                                                    | 315                                                    | 387                                                     | 370                                                     | 327                                                      | 123                                                     |
| 31                    | 27                   | 2                    | 97                                               | 41                                                      | 119                                                     | 316                                                    | 313                                                    | 388                                                     | 369                                                     | 327                                                      | 126                                                     |
| 32                    | 27                   | 23                   | 98                                               | 49                                                      | 118                                                     | 320                                                    | 318                                                    | 388                                                     | 372                                                     | 331                                                      | 129                                                     |
| 33                    | 27                   | 44                   | 101                                              | 50                                                      | 119                                                     | 323                                                    | 323                                                    | 391                                                     | 374                                                     | 335                                                      | 131                                                     |
| 34                    | 28                   | 5                    | 103                                              | 47                                                      | 121                                                     | 326                                                    | 327                                                    | 394                                                     | 374                                                     | 338                                                      | 134                                                     |
| 35                    | 28                   | 26                   | 106                                              | 42                                                      | 124                                                     | 371                                                    | 368                                                    | 410                                                     | 383                                                     | 353                                                      | 132                                                     |
| 36                    | 28                   | 47                   | 110                                              | 43                                                      | 133                                                     | 408                                                    | 406                                                    | 452                                                     | 481                                                     | 383                                                      | 134                                                     |
| 37                    | 29                   | 8                    | 115                                              | 40                                                      | 143                                                     | 417                                                    | 417                                                    | 492                                                     | 420                                                     | 410                                                      | 138                                                     |
| 38                    | 29                   | 29                   | 117                                              | 41                                                      | 150                                                     | 426                                                    | 421                                                    | 520                                                     | 439                                                     | 432                                                      | 139                                                     |
| 39                    | 29                   | 50                   | 119                                              | 41                                                      | 154                                                     | 426                                                    | 422                                                    | 542                                                     | 455                                                     | 445                                                      | 142                                                     |
| 40                    | 30                   | 12                   | 121                                              | 40                                                      | 158                                                     | 429                                                    | 423                                                    | 556                                                     | 467                                                     | 455                                                      | 145                                                     |
| 41                    | 30                   | 33                   | 122                                              | 44                                                      | 160                                                     | 432                                                    | 422                                                    | 565                                                     | 475                                                     | 464                                                      | 147                                                     |
| 42                    | 30                   | 54                   | 123                                              | 44                                                      | 161                                                     | 433                                                    | 421                                                    | 570                                                     | 481                                                     | 468                                                      | 148                                                     |
| 43                    | 31                   | 15                   | 123                                              | 42                                                      | 161                                                     | 434                                                    | 425                                                    | 576                                                     | 487                                                     | 470                                                      | 151                                                     |
| 44                    | 31                   | 36                   | 124                                              | 43                                                      | 164                                                     | 434                                                    | 423                                                    | 577                                                     | 490                                                     | 475                                                      | 153                                                     |
| 45                    | 31                   | 57                   | 124                                              | 43                                                      | 163                                                     | 435                                                    | 421                                                    | 579                                                     | 494                                                     | 476                                                      | 155                                                     |
| 46                    | 32                   | 18                   | 124                                              | 42                                                      | 163                                                     | 434                                                    | 421                                                    | 582                                                     | 496                                                     | 476                                                      | 159                                                     |
| 47                    | 32                   | 40                   | 124                                              | 43                                                      | 163                                                     | 432                                                    | 422                                                    | 580                                                     | 496                                                     | 477                                                      | 159                                                     |
| 48                    | 33                   | 1                    | 124                                              | 42                                                      | 163                                                     | 432                                                    | 420                                                    | 583                                                     | 496                                                     | 477                                                      | 161                                                     |
| 49                    | 33                   | 22                   | 124                                              | 43                                                      | 164                                                     | 434                                                    | 423                                                    | 583                                                     | 497                                                     | 477                                                      | 161                                                     |
| 50                    | 33                   | 43                   | 124                                              | 46                                                      | 164                                                     | 435                                                    | 422                                                    | 594                                                     | 499                                                     | 479                                                      | 163                                                     |
| 51                    | 34                   | 4                    | 126                                              | 45                                                      | 162                                                     | 444                                                    | 434                                                    | 591                                                     | 500                                                     | 483                                                      | 164                                                     |
| 52                    | 34                   | 25                   | 129                                              | 52                                                      | 165                                                     | 448                                                    | 442                                                    | 595                                                     | 504                                                     | 489                                                      | 166                                                     |
| 53                    | 34                   | 47                   | 129                                              | 51                                                      | 167                                                     | 450                                                    | 444                                                    | 600                                                     | 507                                                     | 493                                                      | 167                                                     |



| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPRS<br>CSE<br>ST5.4<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPRS<br>CSE<br>ST5.5<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>T5<br>HRNESS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|
| 115                   | 35                   | A                    | 130                                              | 53                                                      | 168                                              | 452                                                    | 445                                                     | 603                                                     | 511                                                     | 497                                                      | 169                                            |
| 116                   | 35                   | 29                   | 131                                              | 55                                                      | 170                                              | 453                                                    | 443                                                     | 604                                                     | 515                                                     | 498                                                      | 170                                            |
| 117                   | 35                   | 30                   | 131                                              | 54                                                      | 169                                              | 455                                                    | 446                                                     | 607                                                     | 516                                                     | 499                                                      | 172                                            |
| 118                   | 36                   | 11                   | 132                                              | 53                                                      | 171                                              | 453                                                    | 442                                                     | 607                                                     | 518                                                     | 501                                                      | 173                                            |
| 119                   | 36                   | 32                   | 133                                              | 43                                                      | 172                                              | 448                                                    | 437                                                     | 606                                                     | 517                                                     | 498                                                      | 176                                            |
| 120                   | 36                   | 54                   | 133                                              | 44                                                      | 171                                              | 438                                                    | 424                                                     | 599                                                     | 516                                                     | 495                                                      | 178                                            |
| 121                   | 37                   | 15                   | 129                                              | 43                                                      | 169                                              | 434                                                    | 422                                                     | 596                                                     | 510                                                     | 489                                                      | 176                                            |
| 122                   | 37                   | 36                   | 127                                              | 42                                                      | 168                                              | 435                                                    | 423                                                     | 594                                                     | 506                                                     | 485                                                      | 177                                            |
| 123                   | 37                   | 57                   | 126                                              | 41                                                      | 166                                              | 430                                                    | 419                                                     | 590                                                     | 503                                                     | 482                                                      | 177                                            |
| 124                   | 38                   | 18                   | 125                                              | 42                                                      | 165                                              | 431                                                    | 418                                                     | 588                                                     | 501                                                     | 480                                                      | 177                                            |
| 125                   | 38                   | 39                   | 124                                              | 42                                                      | 164                                              | 429                                                    | 417                                                     | 586                                                     | 499                                                     | 479                                                      | 177                                            |
| 126                   | 39                   | 0                    | 123                                              | 41                                                      | 163                                              | 429                                                    | 417                                                     | 586                                                     | 496                                                     | 477                                                      | 178                                            |
| 127                   | 39                   | 21                   | 123                                              | 44                                                      | 163                                              | 434                                                    | 421                                                     | 584                                                     | 496                                                     | 477                                                      | 178                                            |
| 128                   | 40                   | 40                   | 124                                              | 41                                                      | 162                                              | 434                                                    | 421                                                     | 587                                                     | 497                                                     | 479                                                      | 177                                            |
| 129                   | 40                   | 25                   | 126                                              | 44                                                      | 161                                              | 431                                                    | 418                                                     | 586                                                     | 497                                                     | 476                                                      | 179                                            |
| 130                   | 40                   | 46                   | 125                                              | 41                                                      | 163                                              | 432                                                    | 422                                                     | 591                                                     | 497                                                     | 479                                                      | 179                                            |
| 131                   | 40                   | 7                    | 125                                              | 49                                                      | 163                                              | 439                                                    | 420                                                     | 593                                                     | 499                                                     | 480                                                      | 179                                            |
| 132                   | 41                   | 7                    | 125                                              | 41                                                      | 164                                              | 438                                                    | 425                                                     | 597                                                     | 501                                                     | 486                                                      | 180                                            |
| 133                   | 41                   | 28                   | 126                                              | 43                                                      | 164                                              | 438                                                    | 425                                                     | 598                                                     | 503                                                     | 487                                                      | 181                                            |
| 134                   | 41                   | 49                   | 126                                              | 41                                                      | 164                                              | 433                                                    | 421                                                     | 596                                                     | 501                                                     | 484                                                      | 180                                            |
| 135                   | 42                   | 10                   | 123                                              | 40                                                      | 164                                              | 420                                                    | 410                                                     | 598                                                     | 498                                                     | 480                                                      | 181                                            |
| 136                   | 42                   | 31                   | 127                                              | 41                                                      | 161                                              | 429                                                    | 418                                                     | 594                                                     | 495                                                     | 476                                                      | 180                                            |
| 137                   | 42                   | 52                   | 122                                              | 40                                                      | 160                                              | 418                                                    | 405                                                     | 575                                                     | 492                                                     | 472                                                      | 183                                            |
| 138                   | 43                   | 14                   | 124                                              | 49                                                      | 160                                              | 428                                                    | 415                                                     | 577                                                     | 490                                                     | 472                                                      | 180                                            |
| 139                   | 43                   | 35                   | 124                                              | 44                                                      | 162                                              | 421                                                    | 421                                                     | 579                                                     | 489                                                     | 474                                                      | 180                                            |
| 140                   | 43                   | 56                   | 124                                              | 44                                                      | 161                                              | 421                                                    | 408                                                     | 570                                                     | 487                                                     | 470                                                      | 181                                            |
| 141                   | 44                   | 17                   | 124                                              | 45                                                      | 162                                              | 424                                                    | 422                                                     | 572                                                     | 487                                                     | 472                                                      | 180                                            |
| 142                   | 44                   | 38                   | 125                                              | 49                                                      | 163                                              | 431                                                    | 420                                                     | 570                                                     | 487                                                     | 474                                                      | 179                                            |
| 143                   | 44                   | 59                   | 125                                              | 43                                                      | 164                                              | 432                                                    | 421                                                     | 569                                                     | 485                                                     | 473                                                      | 177                                            |
| 144                   | 45                   | 20                   | 124                                              | 41                                                      | 165                                              | 423                                                    | 414                                                     | 567                                                     | 485                                                     | 474                                                      | 177                                            |
| 145                   | 45                   | 41                   | 123                                              | 42                                                      | 165                                              | 427                                                    | 414                                                     | 569                                                     | 486                                                     | 472                                                      | 177                                            |
| 146                   | 46                   | 2                    | 124                                              | 42                                                      | 162                                              | 427                                                    | 425                                                     | 574                                                     | 484                                                     | 475                                                      | 176                                            |
| 147                   | 46                   | 24                   | 126                                              | 40                                                      | 163                                              | 442                                                    | 433                                                     | 591                                                     | 495                                                     | 486                                                      | 176                                            |
| 148                   | 46                   | 45                   | 126                                              | 40                                                      | 161                                              | 438                                                    | 426                                                     | 598                                                     | 495                                                     | 486                                                      | 176                                            |
| 149                   | 47                   | 6                    | 127                                              | 39                                                      | 161                                              | 436                                                    | 422                                                     | 598                                                     | 502                                                     | 489                                                      | 177                                            |
| 150                   | 47                   | 27                   | 127                                              | 39                                                      | 161                                              | 436                                                    | 422                                                     | 600                                                     | 502                                                     | 489                                                      | 178                                            |
| 151                   | 47                   | 48                   | 127                                              | 34                                                      | 164                                              | 439                                                    | 428                                                     | 603                                                     | 503                                                     | 491                                                      | 177                                            |
| 152                   | 47                   | 48                   | 127                                              | 34                                                      | 164                                              | 442                                                    | 432                                                     | 604                                                     | 504                                                     | 493                                                      | 180                                            |
| 153                   | 48                   | 9                    | 127                                              | 38                                                      | 162                                              | 439                                                    | 422                                                     | 603                                                     | 504                                                     | 491                                                      | 180                                            |
| 154                   | 48                   | 30                   | 126                                              | 40                                                      | 161                                              | 427                                                    | 412                                                     | 595                                                     | 501                                                     | 486                                                      | 182                                            |
| 155                   | 48                   | 51                   | 126                                              | 41                                                      | 161                                              | 427                                                    | 412                                                     | 597                                                     | 500                                                     | 485                                                      | 181                                            |
| 156                   | 48                   | 12                   | 126                                              | 39                                                      | 161                                              | 439                                                    | 428                                                     | 597                                                     | 502                                                     | 489                                                      | 182                                            |
| 157                   | 48                   | 34                   | 126                                              | 40                                                      | 160                                              | 441                                                    | 430                                                     | 605                                                     | 504                                                     | 490                                                      | 184                                            |
| 158                   | 49                   | 55                   | 126                                              | 40                                                      | 159                                              | 441                                                    | 428                                                     | 604                                                     | 507                                                     | 491                                                      | 184                                            |
| 159                   | 50                   | 16                   | 127                                              | 39                                                      | 161                                              | 443                                                    | 429                                                     | 609                                                     | 509                                                     | 491                                                      | 186                                            |
| 160                   | 50                   | 37                   | 127                                              | 39                                                      | 160                                              | 440                                                    | 425                                                     | 609                                                     | 509                                                     | 491                                                      | 187                                            |
| 161                   | 50                   | 58                   | 127                                              | 41                                                      | 161                                              | 442                                                    | 426                                                     | 608                                                     | 508                                                     | 491                                                      | 188                                            |
| 162                   | 51                   | 19                   | 129                                              | 40                                                      | 162                                              | 445                                                    | 426                                                     | 610                                                     | 510                                                     | 493                                                      | 190                                            |
| 163                   | 51                   | 41                   | 129                                              | 40                                                      | 164                                              | 445                                                    | 432                                                     | 604                                                     | 511                                                     | 496                                                      | 193                                            |
| 164                   | 52                   | 1                    | 129                                              | 39                                                      | 163                                              | 441                                                    | 427                                                     | 609                                                     | 511                                                     | 496                                                      | 190                                            |
| 165                   | 52                   | 21                   | 128                                              | 40                                                      | 161                                              | 434                                                    | 428                                                     | 605                                                     | 509                                                     | 493                                                      | 191                                            |

| -01<br>DEEP<br>TUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR.<br>OIL<br>COOLER<br>INLET<br>8.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>8.00<br>DEG.C | 7-21<br>ENG.1<br>COMPR.<br>OIL<br>COOLER<br>INLET<br>8.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|---------------------|----------------------|----------------------|--------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 185                 | 52                   | 44                   | 124                                                                | 39                                                       | 163                                                                | 437                                                    | 426                                                     | 601                                                     | 507                                                     | 491                                                      | 190                                                      |
| 186                 | 53                   | 5                    | 126                                                                | 39                                                       | 162                                                                | 436                                                    | 424                                                     | 601                                                     | 504                                                     | 490                                                      | 190                                                      |
| 187                 | 53                   | 26                   | 126                                                                | 39                                                       | 161                                                                | 436                                                    | 423                                                     | 602                                                     | 504                                                     | 490                                                      | 190                                                      |
| 188                 | 53                   | 47                   | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 603                                                     | 504                                                     | 491                                                      | 189                                                      |
| 189                 | 54                   | 8                    | 126                                                                | 40                                                       | 161                                                                | 436                                                    | 423                                                     | 602                                                     | 503                                                     | 488                                                      | 189                                                      |
| 190                 | 54                   | 29                   | 126                                                                | 39                                                       | 160                                                                | 435                                                    | 422                                                     | 603                                                     | 503                                                     | 488                                                      | 189                                                      |
| 191                 | 54                   | 50                   | 125                                                                | 39                                                       | 160                                                                | 435                                                    | 422                                                     | 601                                                     | 501                                                     | 489                                                      | 188                                                      |
| 192                 | 55                   | 1                    | 126                                                                | 40                                                       | 160                                                                | 436                                                    | 424                                                     | 601                                                     | 500                                                     | 488                                                      | 187                                                      |
| 193                 | 55                   | 32                   | 126                                                                | 39                                                       | 161                                                                | 435                                                    | 423                                                     | 603                                                     | 501                                                     | 488                                                      | 188                                                      |
| 194                 | 55                   | 53                   | 125                                                                | 40                                                       | 161                                                                | 437                                                    | 423                                                     | 603                                                     | 501                                                     | 489                                                      | 188                                                      |
| 195                 | 56                   | 14                   | 126                                                                | 39                                                       | 161                                                                | 436                                                    | 423                                                     | 603                                                     | 502                                                     | 490                                                      | 188                                                      |
| 196                 | 56                   | 35                   | 126                                                                | 40                                                       | 160                                                                | 436                                                    | 423                                                     | 603                                                     | 501                                                     | 490                                                      | 188                                                      |
| 197                 | 56                   | 57                   | 124                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 597                                                     | 499                                                     | 485                                                      | 186                                                      |
| 198                 | 57                   | 18                   | 122                                                                | 40                                                       | 157                                                                | 420                                                    | 409                                                     | 546                                                     | 495                                                     | 477                                                      | 186                                                      |
| 199                 | 57                   | 39                   | 121                                                                | 41                                                       | 160                                                                | 410                                                    | 401                                                     | 565                                                     | 497                                                     | 467                                                      | 185                                                      |
| 200                 | 58                   | 0                    | 117                                                                | 41                                                       | 160                                                                | 380                                                    | 376                                                     | 540                                                     | 473                                                     | 452                                                      | 186                                                      |
| 201                 | 58                   | 21                   | 112                                                                | 42                                                       | 154                                                                | 353                                                    | 351                                                     | 503                                                     | 456                                                     | 432                                                      | 185                                                      |
| 202                 | 58                   | 42                   | 106                                                                | 48                                                       | 146                                                                | 339                                                    | 335                                                     | 453                                                     | 438                                                     | 409                                                      | 185                                                      |
| 203                 | 59                   | 3                    | 105                                                                | 41                                                       | 138                                                                | 331                                                    | 325                                                     | 453                                                     | 425                                                     | 393                                                      | 182                                                      |
| 204                 | 59                   | 24                   | 103                                                                | 41                                                       | 133                                                                | 324                                                    | 320                                                     | 413                                                     | 413                                                     | 379                                                      | 180                                                      |
| 205                 | 59                   | 45                   | 101                                                                | 40                                                       | 129                                                                | 322                                                    | 316                                                     | 422                                                     | 403                                                     | 370                                                      | 180                                                      |
| 206                 | 60                   | 2                    | 98                                                                 | 40                                                       | 127                                                                | 322                                                    | 316                                                     | 413                                                     | 396                                                     | 361                                                      | 177                                                      |
| 207                 | 60                   | 27                   | 102                                                                | 41                                                       | 127                                                                | 304                                                    | 303                                                     | 434                                                     | 396                                                     | 373                                                      | 171                                                      |
| 208                 | 60                   | 48                   | 111                                                                | 40                                                       | 133                                                                | 417                                                    | 414                                                     | 485                                                     | 417                                                     | 404                                                      | 169                                                      |
| 209                 | 61                   | 9                    | 117                                                                | 40                                                       | 144                                                                | 429                                                    | 426                                                     | 525                                                     | 439                                                     | 432                                                      | 170                                                      |
| 210                 | 61                   | 30                   | 121                                                                | 39                                                       | 150                                                                | 430                                                    | 427                                                     | 561                                                     | 456                                                     | 451                                                      | 169                                                      |
| 211                 | 61                   | 51                   | 121                                                                | 40                                                       | 153                                                                | 430                                                    | 424                                                     | 565                                                     | 468                                                     | 459                                                      | 168                                                      |
| 212                 | 62                   | 13                   | 123                                                                | 41                                                       | 156                                                                | 438                                                    | 423                                                     | 577                                                     | 477                                                     | 465                                                      | 168                                                      |
| 213                 | 62                   | 34                   | 123                                                                | 39                                                       | 158                                                                | 436                                                    | 423                                                     | 584                                                     | 485                                                     | 470                                                      | 169                                                      |
| 214                 | 62                   | 55                   | 120                                                                | 39                                                       | 158                                                                | 436                                                    | 423                                                     | 584                                                     | 485                                                     | 470                                                      | 169                                                      |
| 215                 | 63                   | 16                   | 126                                                                | 40                                                       | 159                                                                | 431                                                    | 423                                                     | 588                                                     | 486                                                     | 473                                                      | 169                                                      |
| 216                 | 63                   | 37                   | 127                                                                | 39                                                       | 160                                                                | 435                                                    | 423                                                     | 591                                                     | 495                                                     | 478                                                      | 169                                                      |
| 217                 | 63                   | 58                   | 127                                                                | 39                                                       | 161                                                                | 436                                                    | 423                                                     | 594                                                     | 497                                                     | 481                                                      | 170                                                      |
| 218                 | 64                   | 19                   | 127                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 597                                                     | 499                                                     | 484                                                      | 169                                                      |
| 219                 | 64                   | 40                   | 127                                                                | 39                                                       | 161                                                                | 435                                                    | 424                                                     | 596                                                     | 501                                                     | 486                                                      | 170                                                      |
| 220                 | 64                   | 61                   | 127                                                                | 39                                                       | 161                                                                | 437                                                    | 423                                                     | 600                                                     | 504                                                     | 487                                                      | 171                                                      |
| 221                 | 65                   | 22                   | 127                                                                | 39                                                       | 161                                                                | 436                                                    | 424                                                     | 600                                                     | 504                                                     | 488                                                      | 172                                                      |
| 222                 | 65                   | 43                   | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 600                                                     | 504                                                     | 490                                                      | 173                                                      |
| 223                 | 65                   | 64                   | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 600                                                     | 504                                                     | 489                                                      | 173                                                      |
| 224                 | 65                   | 85                   | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 174                                                      |
| 225                 | 65                   | 106                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 174                                                      |
| 226                 | 65                   | 127                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 227                 | 65                   | 148                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 228                 | 65                   | 169                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 229                 | 65                   | 190                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 230                 | 65                   | 211                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 231                 | 65                   | 232                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 232                 | 65                   | 253                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 233                 | 65                   | 274                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 234                 | 65                   | 295                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 235                 | 65                   | 316                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 236                 | 65                   | 337                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 237                 | 65                   | 358                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 238                 | 65                   | 379                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 239                 | 65                   | 400                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 240                 | 65                   | 421                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 241                 | 65                   | 442                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 242                 | 65                   | 463                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 243                 | 65                   | 484                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 244                 | 65                   | 505                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 245                 | 65                   | 526                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 246                 | 65                   | 547                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 247                 | 65                   | 568                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 248                 | 65                   | 589                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 249                 | 65                   | 610                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 250                 | 65                   | 631                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 251                 | 65                   | 652                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 252                 | 65                   | 673                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 253                 | 65                   | 694                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 254                 | 65                   | 715                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 255                 | 65                   | 736                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 256                 | 65                   | 757                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 257                 | 65                   | 778                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 258                 | 65                   | 799                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 259                 | 65                   | 820                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 260                 | 65                   | 841                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 261                 | 65                   | 862                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 262                 | 65                   | 883                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 263                 | 65                   | 904                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 264                 | 65                   | 925                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 265                 | 65                   | 946                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 266                 | 65                   | 967                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 267                 | 65                   | 988                  | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 268                 | 65                   | 1009                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 269                 | 65                   | 1030                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 270                 | 65                   | 1051                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 271                 | 65                   | 1072                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 272                 | 65                   | 1093                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 273                 | 65                   | 1114                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 274                 | 65                   | 1135                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 275                 | 65                   | 1156                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 276                 | 65                   | 1177                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 277                 | 65                   | 1198                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 278                 | 65                   | 1219                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 279                 | 65                   | 1240                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 280                 | 65                   | 1261                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 281                 | 65                   | 1282                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 282                 | 65                   | 1303                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 283                 | 65                   | 1324                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 284                 | 65                   | 1345                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 285                 | 65                   | 1366                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 286                 | 65                   | 1387                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 287                 | 65                   | 1408                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 288                 | 65                   | 1429                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 289                 | 65                   | 1450                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 290                 | 65                   | 1471                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 291                 | 65                   | 1492                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 292                 | 65                   | 1513                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 293                 | 65                   | 1534                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 294                 | 65                   | 1555                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 295                 | 65                   | 1576                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 296                 | 65                   | 1597                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 297                 | 65                   | 1618                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 298                 | 65                   | 1639                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 299                 | 65                   | 1660                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |
| 300                 | 65                   | 1681                 | 126                                                                | 39                                                       | 160                                                                | 436                                                    | 423                                                     | 601                                                     | 504                                                     | 490                                                      | 175                                                      |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>FNG-1<br>COMPR<br>CSE<br>STG-4<br>6.00<br>DEG-C | 7-18<br>ENG-1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG-C | 7-21<br>ENG-1<br>COMPR<br>CSE<br>STG-5<br>6.00<br>DEG-C | 7-23<br>ENG-1<br>GAS<br>SN TRB<br>8.00<br>DEG-C | 7-24<br>ENG-1<br>GAS<br>SN TRB<br>12.00<br>DEG-C | 7-25<br>ENG-1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG-C | 7-26<br>ENG-1<br>POWER<br>TURB<br>CASE<br>6.00<br>DEG-C | 7-27<br>ENG-1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG-C | 7-28<br>ENG-1<br>HRNESS<br>TEMP<br>DEG-C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|
| 235                   | 70                   | 18                   | 112                                                     | 39                                                      | 147                                                     | 390                                             | 387                                              | 545                                                     | 477                                                     | 460                                                      | 179                                      |
| 236                   | 70                   | 39                   | 107                                                     | 39                                                      | 145                                                     | 379                                             | 379                                              | 519                                                     | 464                                                     | 446                                                      | 177                                      |
| 237                   | 71                   | 0                    | 107                                                     | 40                                                      | 145                                                     | 370                                             | 369                                              | 504                                                     | 443                                                     | 433                                                      | 173                                      |
| 238                   | 71                   | 21                   | 107                                                     | 39                                                      | 142                                                     | 367                                             | 367                                              | 493                                                     | 439                                                     | 422                                                      | 171                                      |
| 239                   | 71                   | 42                   | 106                                                     | 39                                                      | 142                                                     | 363                                             | 362                                              | 486                                                     | 431                                                     | 415                                                      | 167                                      |
| 240                   | 72                   | 3                    | 104                                                     | 38                                                      | 141                                                     | 371                                             | 368                                              | 481                                                     | 426                                                     | 412                                                      | 166                                      |
| 241                   | 72                   | 24                   | 105                                                     | 38                                                      | 143                                                     | 390                                             | 385                                              | 489                                                     | 427                                                     | 418                                                      | 164                                      |
| 242                   | 72                   | 45                   | 107                                                     | 38                                                      | 143                                                     | 379                                             | 382                                              | 493                                                     | 429                                                     | 421                                                      | 165                                      |
| 243                   | 73                   | 6                    | 104                                                     | 39                                                      | 143                                                     | 355                                             | 355                                              | 476                                                     | 424                                                     | 410                                                      | 164                                      |
| 244                   | 73                   | 27                   | 102                                                     | 39                                                      | 141                                                     | 357                                             | 353                                              | 466                                                     | 416                                                     | 401                                                      | 161                                      |
| 245                   | 73                   | 48                   | 104                                                     | 39                                                      | 140                                                     | 383                                             | 373                                              | 474                                                     | 419                                                     | 401                                                      | 160                                      |
| 246                   | 74                   | 9                    | 112                                                     | 39                                                      | 145                                                     | 419                                             | 414                                              | 511                                                     | 432                                                     | 420                                                      | 160                                      |
| 247                   | 74                   | 30                   | 115                                                     | 39                                                      | 150                                                     | 428                                             | 422                                              | 541                                                     | 447                                                     | 441                                                      | 161                                      |
| 248                   | 74                   | 51                   | 119                                                     | 40                                                      | 153                                                     | 420                                             | 423                                              | 561                                                     | 463                                                     | 452                                                      | 161                                      |
| 249                   | 75                   | 12                   | 122                                                     | 39                                                      | 154                                                     | 433                                             | 427                                              | 574                                                     | 475                                                     | 463                                                      | 162                                      |
| 250                   | 75                   | 33                   | 122                                                     | 40                                                      | 155                                                     | 431                                             | 422                                              | 583                                                     | 481                                                     | 468                                                      | 163                                      |
| 251                   | 75                   | 54                   | 122                                                     | 39                                                      | 157                                                     | 430                                             | 420                                              | 587                                                     | 486                                                     | 470                                                      | 165                                      |
| 252                   | 76                   | 15                   | 123                                                     | 40                                                      | 155                                                     | 430                                             | 420                                              | 590                                                     | 491                                                     | 472                                                      | 166                                      |
| 253                   | 76                   | 37                   | 124                                                     | 39                                                      | 157                                                     | 432                                             | 422                                              | 592                                                     | 492                                                     | 477                                                      | 166                                      |
| 254                   | 76                   | 58                   | 124                                                     | 39                                                      | 157                                                     | 432                                             | 420                                              | 593                                                     | 495                                                     | 480                                                      | 168                                      |
| 255                   | 77                   | 19                   | 124                                                     | 39                                                      | 158                                                     | 436                                             | 421                                              | 596                                                     | 497                                                     | 482                                                      | 169                                      |
| 256                   | 77                   | 40                   | 124                                                     | 39                                                      | 158                                                     | 433                                             | 420                                              | 597                                                     | 497                                                     | 483                                                      | 170                                      |
| 257                   | 78                   | 1                    | 125                                                     | 41                                                      | 157                                                     | 433                                             | 420                                              | 597                                                     | 499                                                     | 484                                                      | 172                                      |
| 258                   | 78                   | 22                   | 124                                                     | 39                                                      | 157                                                     | 433                                             | 422                                              | 597                                                     | 493                                                     | 484                                                      | 174                                      |
| 259                   | 78                   | 43                   | 124                                                     | 40                                                      | 159                                                     | 435                                             | 421                                              | 598                                                     | 501                                                     | 485                                                      | 179                                      |
| 260                   | 79                   | 4                    | 125                                                     | 41                                                      | 157                                                     | 435                                             | 422                                              | 598                                                     | 501                                                     | 486                                                      | 176                                      |
| 261                   | 79                   | 26                   | 125                                                     | 40                                                      | 157                                                     | 434                                             | 420                                              | 598                                                     | 501                                                     | 486                                                      | 176                                      |
| 262                   | 79                   | 47                   | 125                                                     | 40                                                      | 157                                                     | 434                                             | 420                                              | 598                                                     | 501                                                     | 486                                                      | 177                                      |
| 263                   | 80                   | 8                    | 127                                                     | 39                                                      | 159                                                     | 434                                             | 420                                              | 598                                                     | 501                                                     | 486                                                      | 177                                      |
| 264                   | 80                   | 29                   | 127                                                     | 39                                                      | 159                                                     | 434                                             | 420                                              | 598                                                     | 501                                                     | 486                                                      | 179                                      |
| 265                   | 80                   | 50                   | 127                                                     | 39                                                      | 159                                                     | 433                                             | 420                                              | 598                                                     | 501                                                     | 485                                                      | 179                                      |
| 266                   | 81                   | 11                   | 126                                                     | 39                                                      | 161                                                     | 433                                             | 419                                              | 596                                                     | 499                                                     | 483                                                      | 177                                      |
| 267                   | 81                   | 23                   | 127                                                     | 41                                                      | 161                                                     | 429                                             | 416                                              | 589                                                     | 498                                                     | 481                                                      | 180                                      |
| 268                   | 81                   | 54                   | 123                                                     | 41                                                      | 162                                                     | 424                                             | 410                                              | 577                                                     | 492                                                     | 475                                                      | 178                                      |
| 269                   | 82                   | 15                   | 122                                                     | 42                                                      | 162                                                     | 405                                             | 396                                              | 556                                                     | 485                                                     | 465                                                      | 178                                      |
| 270                   | 82                   | 36                   | 117                                                     | 42                                                      | 160                                                     | 369                                             | 364                                              | 527                                                     | 472                                                     | 446                                                      | 180                                      |
| 271                   | 82                   | 57                   | 111                                                     | 41                                                      | 153                                                     | 345                                             | 335                                              | 494                                                     | 454                                                     | 420                                                      | 180                                      |
| 272                   | 83                   | 18                   | 107                                                     | 41                                                      | 143                                                     | 332                                             | 325                                              | 465                                                     | 435                                                     | 398                                                      | 179                                      |
| 273                   | 83                   | 39                   | 103                                                     | 41                                                      | 135                                                     | 326                                             | 320                                              | 444                                                     | 419                                                     | 383                                                      | 178                                      |
| 274                   | 84                   | 0                    | 102                                                     | 42                                                      | 137                                                     | 323                                             | 318                                              | 427                                                     | 407                                                     | 373                                                      | 176                                      |
| 275                   | 84                   | 21                   | 101                                                     | 41                                                      | 126                                                     | 321                                             | 315                                              | 414                                                     | 398                                                     | 366                                                      | 175                                      |
| 276                   | 84                   | 42                   | 101                                                     | 42                                                      | 124                                                     | 321                                             | 315                                              | 405                                                     | 392                                                     | 360                                                      | 175                                      |
| 277                   | 85                   | 3                    | 99                                                      | 41                                                      | 122                                                     | 322                                             | 315                                              | 400                                                     | 388                                                     | 354                                                      | 172                                      |
| 278                   | 85                   | 24                   | 99                                                      | 41                                                      | 122                                                     | 321                                             | 315                                              | 396                                                     | 384                                                     | 352                                                      | 171                                      |
| 279                   | 85                   | 45                   | 97                                                      | 41                                                      | 119                                                     | 327                                             | 320                                              | 391                                                     | 380                                                     | 352                                                      | 168                                      |
| 280                   | 86                   | 6                    | 105                                                     | 39                                                      | 122                                                     | 398                                             | 391                                              | 439                                                     | 394                                                     | 373                                                      | 183                                      |
| 281                   | 86                   | 27                   | 113                                                     | 39                                                      | 135                                                     | 417                                             | 413                                              | 486                                                     | 417                                                     | 402                                                      | 184                                      |
| 282                   | 86                   | 48                   | 115                                                     | 40                                                      | 142                                                     | 424                                             | 420                                              | 520                                                     | 435                                                     | 423                                                      | 184                                      |
| 283                   | 87                   | 9                    | 116                                                     | 39                                                      | 148                                                     | 425                                             | 420                                              | 542                                                     | 451                                                     | 430                                                      | 184                                      |
| 284                   | 87                   | 30                   | 114                                                     | 39                                                      | 152                                                     | 426                                             | 417                                              | 555                                                     | 461                                                     | 444                                                      | 186                                      |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>CONVRS | 7-18<br>ENG.1<br>OIL<br>COOLER | 7-21<br>ENG.1<br>COMPR | 7-23<br>ENG.1<br>GAS<br>IN YRB | 7-24<br>ENG.1<br>GAS<br>IN YRB | 7-25<br>ENG.1<br>POWER<br>TURB | 7-26<br>ENG.1<br>POWER<br>TURB | 7-27<br>ENG.1<br>POWER<br>TURB | 7-28<br>ENG.1<br>POWER<br>TURB |
|-----------------------|----------------------|----------------------|-------------------------|--------------------------------|------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                       |                      |                      | STG.4<br>6.00<br>0.5.C  | AIR<br>INLET<br>DEG.C          | STG.5<br>6.00<br>DEG.C | STG.6<br>8.00<br>DEG.C         | STG.7<br>12.00<br>DEG.C        | CASE<br>4.00<br>DEG.C          | CASE<br>6.00<br>DEG.C          | CASE<br>12.00<br>DEG.C         | CASE<br>12.00<br>DEG.C         |
| 285                   | 87                   | 52                   | 120                     | 39                             | 152                    | 426                            | 416                            | 566                            | 470                            | 451                            | 166                            |
| 286                   | 88                   | 53                   | 120                     | 39                             | 154                    | 425                            | 414                            | 571                            | 477                            | 455                            | 169                            |
| 287                   | 88                   | 54                   | 121                     | 39                             | 155                    | 425                            | 413                            | 574                            | 482                            | 460                            | 169                            |
| 288                   | 88                   | 55                   | 120                     | 39                             | 155                    | 423                            | 412                            | 575                            | 484                            | 463                            | 170                            |
| 289                   | 89                   | 16                   | 120                     | 39                             | 155                    | 423                            | 410                            | 574                            | 485                            | 462                            | 172                            |
| 290                   | 89                   | 37                   | 121                     | 39                             | 154                    | 423                            | *                              | 577                            | 487                            | 464                            | 173                            |
| 291                   | 89                   | 59                   | 121                     | 39                             | 155                    | 428                            | 414                            | 578                            | 489                            | 467                            | 176                            |
| 292                   | 90                   | 20                   | 121                     | 39                             | 155                    | 427                            | 416                            | 581                            | 492                            | 470                            | 176                            |
| 293                   | 90                   | 41                   | 121                     | 41                             | 155                    | 429                            | 416                            | 583                            | 492                            | 470                            | 177                            |
| 294                   | 91                   | 2                    | 121                     | 38                             | 157                    | 427                            | 415                            | 584                            | 493                            | 471                            | 177                            |
| 295                   | 91                   | 23                   | 123                     | 39                             | 159                    | 428                            | 416                            | 582                            | 494                            | 472                            | 180                            |
| 296                   | 91                   | 44                   | 123                     | 39                             | 160                    | 428                            | 415                            | 582                            | 494                            | 471                            | 181                            |
| 297                   | 92                   | 5                    | 122                     | 39                             | 158                    | 425                            | 411                            | 581                            | 494                            | 470                            | 183                            |
| 298                   | 92                   | 27                   | 123                     | 39                             | 159                    | 426                            | 412                            | 580                            | 494                            | 468                            | 184                            |
| 299                   | 92                   | 40                   | 122                     | 38                             | 160                    | 425                            | 412                            | 577                            | 494                            | 468                            | 186                            |
| 300                   | 93                   | 9                    | 122                     | 39                             | 158                    | 426                            | 412                            | 578                            | 492                            | 468                            | 185                            |
| 301                   | 93                   | 30                   | 121                     | 40                             | 156                    | 425                            | 413                            | 580                            | 492                            | 470                            | 184                            |
| 302                   | 93                   | 51                   | 122                     | 39                             | 155                    | 425                            | 412                            | 580                            | 491                            | 470                            | 184                            |
| 303                   | 94                   | 12                   | 122                     | 39                             | 155                    | 424                            | 411                            | 581                            | 490                            | 470                            | 184                            |
| 304                   | 94                   | 33                   | 122                     | 39                             | 156                    | 424                            | 411                            | 580                            | 490                            | 469                            | 185                            |
| 305                   | 94                   | 54                   | 123                     | 39                             | 157                    | 425                            | 412                            | 576                            | 491                            | 468                            | 186                            |
| 306                   | 95                   | 16                   | 122                     | 39                             | 158                    | 423                            | 415                            | 578                            | 491                            | 467                            | 187                            |
| 307                   | 95                   | 37                   | 122                     | 39                             | 158                    | 425                            | 412                            | 581                            | 491                            | 468                            | 187                            |
| 308                   | 95                   | 58                   | 122                     | 40                             | 158                    | 426                            | 413                            | 581                            | 489                            | 467                            | 185                            |
| 309                   | 96                   | 19                   | 121                     | 39                             | 157                    | 424                            | 413                            | 579                            | 490                            | 468                            | 186                            |
| 310                   | 96                   | 40                   | 122                     | 39                             | 157                    | 427                            | 413                            | 580                            | 490                            | 468                            | 186                            |
| 311                   | 97                   | 1                    | 122                     | 40                             | 155                    | 427                            | 414                            | 582                            | 483                            | 468                            | 185                            |
| 312                   | 97                   | 22                   | 122                     | 40                             | 157                    | 427                            | 417                            | 582                            | 490                            | 468                            | 185                            |
| 313                   | 97                   | 44                   | 123                     | 41                             | 158                    | 424                            | 419                            | 578                            | 490                            | 468                            | 189                            |
| 314                   | 98                   | 5                    | 121                     | 43                             | 154                    | 424                            | 400                            | 557                            | 481                            | 462                            | 186                            |
| 315                   | 98                   | 26                   | 115                     | 42                             | 153                    | 424                            | 398                            | 523                            | 464                            | 439                            | 184                            |
| 316                   | 98                   | 47                   | 110                     | 41                             | 153                    | 423                            | 335                            | 490                            | 450                            | 415                            | 183                            |
| 317                   | 99                   | 8                    | 107                     | 41                             | 151                    | 424                            | 326                            | 463                            | 433                            | 397                            | 182                            |
| 318                   | 99                   | 29                   | 104                     | 44                             | 135                    | 328                            | 323                            | 447                            | 420                            | 385                            | 181                            |
| 319                   | 99                   | 50                   | 102                     | 42                             | 133                    | 328                            | 314                            | 420                            | 403                            | 374                            | 180                            |
| 320                   | 100                  | 11                   | 102                     | 42                             | 128                    | 326                            | 318                            | 420                            | 400                            | 360                            | 179                            |
| 321                   | 100                  | 32                   | 100                     | 42                             | 127                    | 326                            | 317                            | 413                            | 395                            | 353                            | 176                            |
| 322                   | 100                  | 53                   | 100                     | 42                             | 126                    | 325                            | 319                            | 407                            | 390                            | 350                            | 175                            |
| 323                   | 101                  | 14                   | 101                     | 42                             | 125                    | 324                            | 316                            | 403                            | 388                            | 355                            | 174                            |
| 324                   | 101                  | 35                   | 101                     | 42                             | 124                    | 324                            | 316                            | 400                            | 386                            | 354                            | 174                            |
| 325                   | 101                  | 56                   | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 326                   | 101                  | 77                   | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 327                   | 101                  | 98                   | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 328                   | 101                  | 119                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 329                   | 101                  | 140                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 330                   | 101                  | 161                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 331                   | 101                  | 182                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 332                   | 101                  | 203                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 333                   | 101                  | 224                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 334                   | 101                  | 245                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 335                   | 101                  | 266                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 336                   | 101                  | 287                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 337                   | 101                  | 308                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 338                   | 101                  | 329                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 339                   | 101                  | 350                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 340                   | 101                  | 371                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 341                   | 101                  | 392                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 342                   | 101                  | 413                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 343                   | 101                  | 434                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 344                   | 101                  | 455                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 345                   | 101                  | 476                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 346                   | 101                  | 497                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 347                   | 101                  | 518                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 348                   | 101                  | 539                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 349                   | 101                  | 560                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 350                   | 101                  | 581                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 351                   | 101                  | 602                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 352                   | 101                  | 623                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 353                   | 101                  | 644                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 354                   | 101                  | 665                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 355                   | 101                  | 686                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 356                   | 101                  | 707                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 357                   | 101                  | 728                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 358                   | 101                  | 749                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 359                   | 101                  | 770                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 360                   | 101                  | 791                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 361                   | 101                  | 812                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 362                   | 101                  | 833                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 363                   | 101                  | 854                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 364                   | 101                  | 875                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 365                   | 101                  | 896                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 366                   | 101                  | 917                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 367                   | 101                  | 938                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 368                   | 101                  | 959                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 369                   | 101                  | 980                  | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 370                   | 101                  | 1001                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 371                   | 101                  | 1022                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 372                   | 101                  | 1043                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 373                   | 101                  | 1064                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 374                   | 101                  | 1085                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 375                   | 101                  | 1106                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 376                   | 101                  | 1127                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 377                   | 101                  | 1148                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 378                   | 101                  | 1169                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 379                   | 101                  | 1190                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 380                   | 101                  | 1211                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 381                   | 101                  | 1232                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 382                   | 101                  | 1253                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 383                   | 101                  | 1274                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 384                   | 101                  | 1295                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 385                   | 101                  | 1316                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 386                   | 101                  | 1337                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 387                   | 101                  | 1358                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 388                   | 101                  | 1379                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 389                   | 101                  | 1400                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 390                   | 101                  | 1421                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 391                   | 101                  | 1442                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 392                   | 101                  | 1463                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 393                   | 101                  | 1484                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 394                   | 101                  | 1505                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 395                   | 101                  | 1526                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 396                   | 101                  | 1547                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 397                   | 101                  | 1568                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 398                   | 101                  | 1589                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 399                   | 101                  | 1610                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |
| 400                   | 101                  | 1631                 | 101                     | 43                             | 124                    | 324                            | 316                            | 397                            | 383                            | 355                            | 168                            |

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>CONLR<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>IN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>IN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>IS<br>HRESS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------|
| 335                   | 105                  | 27                   | 121                                                     | 40                                                     | 157                                                     | 423                                                    | 410                                                     | 565                                                     | 481                                                     | 464                                                      | 172                                           |
| 336                   | 105                  | 49                   | 121                                                     | 40                                                     | 161                                                     | 420                                                    | 409                                                     | 565                                                     | 481                                                     | 464                                                      | 173                                           |
| 337                   | 106                  | 31                   | 120                                                     | 39                                                     | 151                                                     | 424                                                    | 407                                                     | 566                                                     | 482                                                     | 462                                                      | 172                                           |
| 338                   | 106                  | 31                   | 121                                                     | 39                                                     | 160                                                     | 417                                                    | 407                                                     | 568                                                     | 481                                                     | 463                                                      | 174                                           |
| 339                   | 106                  | 52                   | 120                                                     | 43                                                     | 187                                                     | 420                                                    | 406                                                     | 565                                                     | 482                                                     | 463                                                      | 173                                           |
| 340                   | 107                  | 13                   | 119                                                     | 40                                                     | 160                                                     | 417                                                    | 406                                                     | 567                                                     | 480                                                     | 462                                                      | 174                                           |
| 341                   | 107                  | 34                   | 121                                                     | 40                                                     | 157                                                     | 419                                                    | 407                                                     | 569                                                     | 479                                                     | 459                                                      | 173                                           |
| 342                   | 107                  | 56                   | 119                                                     | 40                                                     | 157                                                     | 418                                                    | 405                                                     | 560                                                     | 479                                                     | 458                                                      | 173                                           |
| 343                   | 108                  | 17                   | 119                                                     | 39                                                     | 156                                                     | 425                                                    | 413                                                     | 567                                                     | 480                                                     | 458                                                      | 173                                           |
| 344                   | 108                  | 38                   | 121                                                     | 39                                                     | 156                                                     | 429                                                    | 414                                                     | 575                                                     | 484                                                     | 466                                                      | 174                                           |
| 345                   | 108                  | 59                   | 123                                                     | 40                                                     | 159                                                     | 426                                                    | 415                                                     | 578                                                     | 484                                                     | 468                                                      | 174                                           |
| 346                   | 109                  | 20                   | 121                                                     | 40                                                     | 158                                                     | 424                                                    | 404                                                     | 565                                                     | 483                                                     | 462                                                      | 175                                           |
| 347                   | 109                  | 42                   | 122                                                     | 39                                                     | 157                                                     | 424                                                    | 414                                                     | 568                                                     | 484                                                     | 464                                                      | 175                                           |
| 348                   | 110                  | 3                    | 121                                                     | 40                                                     | 159                                                     | 423                                                    | 414                                                     | 571                                                     | 483                                                     | 467                                                      | 175                                           |
| 349                   | 110                  | 24                   | 121                                                     | 39                                                     | 157                                                     | 412                                                    | 401                                                     | 562                                                     | 481                                                     | 460                                                      | 174                                           |
| 350                   | 110                  | 45                   | 120                                                     | 43                                                     | 158                                                     | 418                                                    | 407                                                     | 560                                                     | 479                                                     | 461                                                      | 175                                           |
| 351                   | 111                  | 6                    | 119                                                     | 40                                                     | 157                                                     | 404                                                    | 390                                                     | 548                                                     | 476                                                     | 455                                                      | 174                                           |
| 352                   | 111                  | 27                   | 118                                                     | 41                                                     | 158                                                     | 404                                                    | 393                                                     | 543                                                     | 471                                                     | 449                                                      | 174                                           |
| 353                   | 111                  | 48                   | 114                                                     | 42                                                     | 157                                                     | 370                                                    | 364                                                     | 517                                                     | 463                                                     | 436                                                      | 175                                           |
| 354                   | 112                  | 9                    | 110                                                     | 40                                                     | 159                                                     | 346                                                    | 340                                                     | 485                                                     | 447                                                     | 413                                                      | 174                                           |
| 355                   | 112                  | 30                   | 106                                                     | 43                                                     | 188                                                     | 342                                                    | 339                                                     | 462                                                     | 435                                                     | 394                                                      | 175                                           |
| 356                   | 112                  | 51                   | 105                                                     | 42                                                     | 188                                                     | 339                                                    | 333                                                     | 444                                                     | 422                                                     | 387                                                      | 174                                           |
| 357                   | 113                  | 12                   | 103                                                     | 42                                                     | 185                                                     | 332                                                    | 328                                                     | 433                                                     | 412                                                     | 379                                                      | 175                                           |
| 358                   | 113                  | 33                   | 102                                                     | 47                                                     | 182                                                     | 331                                                    | 325                                                     | 423                                                     | 405                                                     | 370                                                      | 174                                           |
| 359                   | 113                  | 54                   | 105                                                     | 50                                                     | 181                                                     | 341                                                    | 320                                                     | 420                                                     | 400                                                     | 367                                                      | 173                                           |
| 360                   | 114                  | 15                   | 105                                                     | 42                                                     | 181                                                     | 339                                                    | 326                                                     | 415                                                     | 397                                                     | 363                                                      | 171                                           |
| 361                   | 114                  | 36                   | 107                                                     | 43                                                     | 180                                                     | 335                                                    | 323                                                     | 412                                                     | 394                                                     | 359                                                      | 170                                           |
| 362                   | 114                  | 57                   | 107                                                     | 41                                                     | 129                                                     | 334                                                    | 321                                                     | 408                                                     | 392                                                     | 356                                                      | 171                                           |
| 363                   | 115                  | 18                   | 103                                                     | 41                                                     | 127                                                     | 335                                                    | 316                                                     | 402                                                     | 387                                                     | 354                                                      | 167                                           |
| 364                   | 115                  | 40                   | 98                                                      | 44                                                     | 124                                                     | 332                                                    | 301                                                     | 401                                                     | 387                                                     | 358                                                      | 165                                           |
| 365                   | 116                  | 1                    | 93                                                      | 53                                                     | 115                                                     | 318                                                    | 301                                                     | 391                                                     | 381                                                     | 354                                                      | 164                                           |
| 366                   | 116                  | 23                   | 81                                                      | 50                                                     | 104                                                     | 318                                                    | 298                                                     | 375                                                     | 368                                                     | 341                                                      | 164                                           |
| 367                   | 116                  | 44                   | 78                                                      | 47                                                     | 96                                                      | 318                                                    | 295                                                     | 360                                                     | 356                                                     | 329                                                      | 164                                           |
| 368                   | 119                  | 19                   | 74                                                      | 47                                                     | 83                                                      | 288                                                    | 270                                                     | 297                                                     | 302                                                     | 292                                                      | 162                                           |
| 369                   | 119                  | 54                   | 76                                                      | 44                                                     | 76                                                      | 282                                                    | 267                                                     | 288                                                     | 293                                                     | 288                                                      | 157                                           |
| 370                   | 120                  | 15                   | 75                                                      | 50                                                     | 65                                                      | 279                                                    | 264                                                     | 282                                                     | 289                                                     | 287                                                      | 156                                           |
| 371                   | 120                  | 37                   | 76                                                      | 48                                                     | 56                                                      | 276                                                    | 263                                                     | 277                                                     | 284                                                     | 285                                                      | 155                                           |
| 372                   | 120                  | 58                   | 77                                                      | 47                                                     | 66                                                      | 274                                                    | 262                                                     | 273                                                     | 278                                                     | 282                                                      | 154                                           |
| 373                   | 121                  | 20                   | 77                                                      | 46                                                     | 97                                                      | 271                                                    | 260                                                     | 269                                                     | 274                                                     | 281                                                      | 153                                           |
| 374                   | 121                  | 41                   | 78                                                      | 45                                                     | 85                                                      | 269                                                    | 259                                                     | 264                                                     | 270                                                     | 276                                                      | 151                                           |
| 375                   | 121                  | 22                   | 78                                                      | 47                                                     | 93                                                      | 268                                                    | 253                                                     | 247                                                     | 253                                                     | 270                                                      | 149                                           |
| 376                   | 122                  | 44                   | 78                                                      | 44                                                     | 93                                                      | 266                                                    | 252                                                     | 244                                                     | 250                                                     | 269                                                      | 148                                           |
| 377                   | 124                  | 6                    | 77                                                      | 44                                                     | 80                                                      | 264                                                    | 251                                                     | 241                                                     | 246                                                     | 267                                                      | 147                                           |
| 378                   | 124                  | 27                   | 77                                                      | 45                                                     | 83                                                      | 262                                                    | 249                                                     | 240                                                     | 243                                                     | 265                                                      | 147                                           |
| 379                   | 124                  | 49                   | 77                                                      | 45                                                     | 69                                                      | 254                                                    | 246                                                     | 234                                                     | 241                                                     | 265                                                      | 146                                           |
| 380                   | 129                  | 24                   | 69                                                      | 42                                                     | 61                                                      | 222                                                    | 224                                                     | 187                                                     | 193                                                     | 237                                                      | 125                                           |
| 381                   | 129                  | 52                   | 71                                                      | 41                                                     | 61                                                      | 221                                                    | 224                                                     | 185                                                     | 192                                                     | 227                                                      | 124                                           |
| 382                   | 130                  | 14                   | 70                                                      | 42                                                     | 63                                                      | 220                                                    | 223                                                     | 184                                                     | 190                                                     | 236                                                      | 122                                           |
| 383                   | 130                  | 35                   | 70                                                      | 42                                                     | 63                                                      | 219                                                    | 222                                                     | 182                                                     | 189                                                     | 235                                                      | 122                                           |
| 384                   | 130                  | 57                   | 69                                                      | 41                                                     | 63                                                      | 218                                                    | 221                                                     | 180                                                     | 187                                                     | 234                                                      | 121                                           |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>IN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>IN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>HRNESS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------|
| 385                   | 131                  | 19                   | 69                                                      | 42                                                      | 79                                                      | 217                                                    | 220                                                     | 179                                                     | 185                                                     | 233                                                      | 122                                      |
| 386                   | 139                  | 59                   | 68                                                      | 46                                                      | 76                                                      | 193                                                    | 204                                                     | 149                                                     | 155                                                     | 210                                                      | 109                                      |
| 387                   | 140                  | 21                   | 67                                                      | 45                                                      | 76                                                      | 191                                                    | 203                                                     | 149                                                     | 154                                                     | 210                                                      | 109                                      |
| 388                   | 140                  | 39                   | 67                                                      | 43                                                      | 76                                                      | 193                                                    | 202                                                     | 147                                                     | 153                                                     | 210                                                      | 107                                      |
| 389                   | 141                  | 4                    | 66                                                      | 43                                                      | 76                                                      | 192                                                    | 201                                                     | 146                                                     | 152                                                     | 209                                                      | 107                                      |
| 390                   | 141                  | 26                   | 67                                                      | 42                                                      | 75                                                      | 192                                                    | 201                                                     | 147                                                     | 151                                                     | 209                                                      | 106                                      |
| 391                   | 143                  | 4                    | 66                                                      | 46                                                      | 73                                                      | 177                                                    | 190                                                     | 135                                                     | 157                                                     | 193                                                      | 95                                       |
| 392                   | 149                  | 25                   | 66                                                      | 44                                                      | 72                                                      | 175                                                    | 190                                                     | 133                                                     | 157                                                     | 192                                                      | 94                                       |
| 393                   | 149                  | 47                   | 67                                                      | 43                                                      | 73                                                      | 175                                                    | 190                                                     | 132                                                     | 157                                                     | 191                                                      | 93                                       |
| 394                   | 150                  | 9                    | 66                                                      | 42                                                      | 73                                                      | 174                                                    | 190                                                     | 131                                                     | 156                                                     | 191                                                      | 93                                       |
| 395                   | 150                  | 30                   | 66                                                      | 42                                                      | 72                                                      | 173                                                    | 189                                                     | 131                                                     | 155                                                     | 191                                                      | 93                                       |
| 396                   | 150                  | 52                   | 66                                                      | 43                                                      | 73                                                      | 173                                                    | 189                                                     | 131                                                     | 155                                                     | 190                                                      | 94                                       |

HM-53C S/N 6A-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| 0-01<br>TEMP<br>CENT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG.2<br>IGNIT<br>EXCITE<br>MOUNT<br>DEG.C | 0-06<br>ENG.2<br>IGNIT<br>EXCITE<br>INBD<br>DEG.C | 0-07<br>ENG.2<br>IGNIT<br>EXCITE<br>OUT90<br>DEG.C | 0-08<br>ENG.2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 0-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 0-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 0-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 0-14<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>8.00<br>DEG.C |
|----------------------|----------------------|----------------------|----------------------------------------------------|---------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 39                   | 1                    | 10                   | 51                                                 | 50                                                | 50                                                 | 46                                                        | 46                                                     | 46                                                     | 49                                                      | 50                                                      | 48                                                      | 48                                                      |
| 40                   | 2                    | 2                    | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 50                                                      | 48                                                      | 48                                                      |
| 41                   | 2                    | 24                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 50                                                      | 49                                                      | 48                                                      |
| 43                   | 2                    | 45                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 49                                                      | 48                                                      | 48                                                      |
| 44                   | 3                    | 6                    | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 49                                                      | 48                                                      | 48                                                      |
| 45                   | 3                    | 28                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 49                                                      | 48                                                      | 48                                                      |
| 46                   | 3                    | 49                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 49                                                      | 48                                                      | 48                                                      |
| 47                   | 4                    | 11                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 49                                                      | 48                                                      | 48                                                      |
| 48                   | 4                    | 32                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 50                                                      | 48                                                      | 48                                                      |
| 49                   | 4                    | 54                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 51                                                      | 48                                                      | 48                                                      |
| 50                   | 5                    | 15                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 50                                                      | 49                                                      | 48                                                      |
| 51                   | 5                    | 37                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 49                                                      | 48                                                      | 48                                                      |
| 52                   | 5                    | 58                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 50                                                      | 48                                                      | 48                                                      |
| 53                   | 6                    | 20                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 48                                                      | 48                                                      | 48                                                      |
| 54                   | 6                    | 41                   | 51                                                 | 50                                                | 51                                                 | 46                                                        | 46                                                     | 46                                                     | 48                                                      | 48                                                      | 50                                                      | 50                                                      |
| 55                   | 7                    | 2                    | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 51                                                      | 51                                                      | 50                                                      |
| 56                   | 7                    | 21                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 53                                                      | 51                                                      | 50                                                      |
| 57                   | 7                    | 45                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 53                                                      | 51                                                      | 50                                                      |
| 58                   | 8                    | 6                    | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 50                                                      |
| 59                   | 8                    | 27                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 51                                                      | 50                                                      | 50                                                      |
| 60                   | 9                    | 48                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 53                                                      | 51                                                      | 51                                                      | 50                                                      |
| 61                   | 9                    | 9                    | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 53                                                      | 52                                                      | 51                                                      | 50                                                      |
| 62                   | 9                    | 30                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 50                                                      |
| 63                   | 9                    | 52                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 50                                                      |
| 64                   | 10                   | 13                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 49                                                      |
| 65                   | 10                   | 34                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 50                                                      |
| 66                   | 10                   | 56                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 50                                                      |
| 67                   | 10                   | 14                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 50                                                      |
| 68                   | 11                   | 37                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 51                                                      | 50                                                      |
| 69                   | 11                   | 58                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 51                                                      | 50                                                      | 50                                                      |
| 70                   | 12                   | 19                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 50                                                      | 50                                                      |
| 71                   | 12                   | 42                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 52                                                      | 50                                                      | 50                                                      |
| 72                   | 13                   | 2                    | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 51                                                      | 51                                                      | 50                                                      |
| 73                   | 13                   | 27                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 51                                                      | 51                                                      | 50                                                      |
| 74                   | 14                   | 44                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 52                                                      | 51                                                      | 50                                                      | 50                                                      |
| 75                   | 14                   | 6                    | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 49                                                      | 50                                                      | 50                                                      | 49                                                      |
| 76                   | 14                   | 26                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 49                                                      | 50                                                      | 50                                                      | 49                                                      |
| 77                   | 15                   | 43                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 49                                                      | 49                                                      | 49                                                      | 49                                                      |
| 78                   | 15                   | 9                    | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 49                                                      | 50                                                      | 50                                                      | 50                                                      |
| 79                   | 15                   | 30                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 49                                                      | 49                                                      | 50                                                      | 49                                                      |
| 80                   | 15                   | 51                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 48                                                      | 49                                                      | 50                                                      | 51                                                      |
| 81                   | 16                   | 10                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 51                                                      | 50                                                      | 51                                                      |
| 82                   | 16                   | 33                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 51                                                      | 50                                                      | 51                                                      |
| 83                   | 16                   | 54                   | 51                                                 | 53                                                | 53                                                 | 46                                                        | 46                                                     | 46                                                     | 50                                                      | 51                                                      | 50                                                      | 51                                                      |

| 8-01<br>WEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>IMBD<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>OUTBO<br>DEG.C | 8-08<br>ENG.2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 8-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPRS<br>CSE<br>STG.3<br>3.00<br>DEG.C | 8-13<br>ENG.2<br>COMPRS<br>CSE<br>STG.3<br>4.30<br>DEG.C | 8-14<br>ENG.2<br>COMPRS<br>CSE<br>STG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 84                    | 17                   | 15                   | 55                                                          | 54                                                         | 54                                                          | *                                                         | 61                                                     | 53                                                     | 62                                                       | 64                                                       | 63                                                       | 62                                                       |
| 85                    | 17                   | 34                   | 56                                                          | 54                                                         | 55                                                          | *                                                         | 64                                                     | 54                                                     | 64                                                       | 65                                                       | 64                                                       | 63                                                       |
| 86                    | 17                   | 58                   | 56                                                          | 54                                                         | 54                                                          | *                                                         | 66                                                     | 54                                                     | 64                                                       | 67                                                       | 64                                                       | 64                                                       |
| 87                    | 18                   | 19                   | 56                                                          | 55                                                         | 55                                                          | *                                                         | 69                                                     | 55                                                     | 66                                                       | 68                                                       | 65                                                       | 65                                                       |
| 88                    | 18                   | 40                   | 58                                                          | 55                                                         | 55                                                          | *                                                         | 71                                                     | 56                                                     | 68                                                       | 71                                                       | 68                                                       | 68                                                       |
| 89                    | 19                   | 1                    | 55                                                          | 54                                                         | 54                                                          | *                                                         | 72                                                     | 53                                                     | 72                                                       | 80                                                       | 77                                                       | 76                                                       |
| 90                    | 19                   | 22                   | 57                                                          | 55                                                         | 53                                                          | *                                                         | 76                                                     | 52                                                     | 75                                                       | 87                                                       | 84                                                       | 81                                                       |
| 91                    | 19                   | 43                   | 54                                                          | 56                                                         | 54                                                          | *                                                         | 79                                                     | 50                                                     | 75                                                       | 88                                                       | 86                                                       | 84                                                       |
| 92                    | 19                   | 2                    | 59                                                          | 58                                                         | 54                                                          | *                                                         | 81                                                     | 50                                                     | 86                                                       | 88                                                       | 87                                                       | 87                                                       |
| 93                    | 20                   | 26                   | 60                                                          | 59                                                         | 53                                                          | *                                                         | 82                                                     | 48                                                     | 89                                                       | 89                                                       | 89                                                       | 87                                                       |
| 94                    | 20                   | 47                   | 61                                                          | 61                                                         | 54                                                          | *                                                         | 83                                                     | 49                                                     | 89                                                       | 89                                                       | 89                                                       | 88                                                       |
| 95                    | 21                   | 8                    | 63                                                          | 60                                                         | 53                                                          | *                                                         | 84                                                     | 48                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 96                    | 21                   | 28                   | 63                                                          | 63                                                         | 53                                                          | *                                                         | 86                                                     | 48                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 97                    | 21                   | 49                   | 64                                                          | 64                                                         | 54                                                          | *                                                         | 87                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 98                    | 22                   | 10                   | 64                                                          | 64                                                         | 53                                                          | *                                                         | 88                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 100                   | 22                   | 52                   | 65                                                          | 66                                                         | 54                                                          | *                                                         | 88                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 101                   | 23                   | 13                   | 65                                                          | 67                                                         | 55                                                          | *                                                         | 89                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 102                   | 23                   | 34                   | 66                                                          | 67                                                         | 55                                                          | *                                                         | 90                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 103                   | 23                   | 55                   | 67                                                          | 67                                                         | 55                                                          | *                                                         | 90                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 104                   | 24                   | 16                   | 68                                                          | 68                                                         | 55                                                          | *                                                         | 91                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 105                   | 24                   | 37                   | 68                                                          | 68                                                         | 55                                                          | *                                                         | 92                                                     | 50                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 106                   | 24                   | 50                   | 68                                                          | 69                                                         | 56                                                          | *                                                         | 92                                                     | 50                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 107                   | 25                   | 19                   | 68                                                          | 70                                                         | 55                                                          | *                                                         | 94                                                     | 51                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 108                   | 25                   | 40                   | 69                                                          | 70                                                         | 55                                                          | *                                                         | 93                                                     | 50                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 109                   | 26                   | 1                    | 69                                                          | 70                                                         | 55                                                          | *                                                         | 93                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 110                   | 26                   | 22                   | 70                                                          | 71                                                         | 57                                                          | *                                                         | 94                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 111                   | 26                   | 43                   | 71                                                          | 72                                                         | 57                                                          | *                                                         | 96                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 112                   | 27                   | 4                    | 71                                                          | 72                                                         | 57                                                          | *                                                         | 95                                                     | 50                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 113                   | 27                   | 23                   | 71                                                          | 72                                                         | 57                                                          | *                                                         | 94                                                     | 49                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 114                   | 27                   | 46                   | 71                                                          | 73                                                         | 54                                                          | *                                                         | 96                                                     | 51                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 115                   | 28                   | 5                    | 72                                                          | 73                                                         | 60                                                          | *                                                         | 96                                                     | 51                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 116                   | 28                   | 28                   | 73                                                          | 74                                                         | 59                                                          | *                                                         | 97                                                     | 51                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 117                   | 28                   | 50                   | 74                                                          | 77                                                         | 53                                                          | *                                                         | 99                                                     | 53                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 118                   | 29                   | 11                   | 75                                                          | 78                                                         | 62                                                          | *                                                         | 102                                                    | 47                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 119                   | 29                   | 32                   | 74                                                          | 81                                                         | 61                                                          | *                                                         | 105                                                    | 47                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 120                   | 29                   | 53                   | 75                                                          | 83                                                         | 61                                                          | *                                                         | 106                                                    | 47                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 121                   | 30                   | 14                   | 76                                                          | 83                                                         | 61                                                          | *                                                         | 106                                                    | 47                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 122                   | 30                   | 32                   | 78                                                          | 86                                                         | 63                                                          | *                                                         | 108                                                    | 45                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 123                   | 30                   | 56                   | 78                                                          | 88                                                         | 64                                                          | *                                                         | 109                                                    | 45                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 124                   | 31                   | 18                   | 81                                                          | 89                                                         | 64                                                          | *                                                         | 110                                                    | 45                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 125                   | 31                   | 3                    | 81                                                          | 90                                                         | 64                                                          | *                                                         | 111                                                    | 45                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 126                   | 32                   | 1                    | 82                                                          | 92                                                         | 64                                                          | *                                                         | 111                                                    | 45                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 127                   | 32                   | 21                   | 82                                                          | 95                                                         | 65                                                          | *                                                         | 112                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 128                   | 32                   | 42                   | 84                                                          | 96                                                         | 65                                                          | *                                                         | 112                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 129                   | 33                   | 3                    | 84                                                          | 96                                                         | 65                                                          | *                                                         | 113                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 130                   | 33                   | 23                   | 85                                                          | 97                                                         | 66                                                          | *                                                         | 113                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 131                   | 33                   | 24                   | 85                                                          | 100                                                        | 67                                                          | *                                                         | 116                                                    | 44                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 132                   | 34                   | 27                   | 87                                                          | 99                                                         | 68                                                          | *                                                         | 115                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 133                   | 34                   | 28                   | 87                                                          | 101                                                        | 69                                                          | *                                                         | 115                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 134                   | 34                   | 29                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 115                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 135                   | 34                   | 30                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 136                   | 34                   | 31                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 137                   | 34                   | 32                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 138                   | 34                   | 33                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 139                   | 34                   | 34                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 140                   | 34                   | 35                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 141                   | 34                   | 36                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 142                   | 34                   | 37                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 143                   | 34                   | 38                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 144                   | 34                   | 39                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 145                   | 34                   | 40                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 146                   | 34                   | 41                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 147                   | 34                   | 42                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 148                   | 34                   | 43                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 149                   | 34                   | 44                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 150                   | 34                   | 45                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 151                   | 34                   | 46                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 152                   | 34                   | 47                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 153                   | 34                   | 48                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 154                   | 34                   | 49                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 155                   | 34                   | 50                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 156                   | 34                   | 51                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 157                   | 34                   | 52                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 158                   | 34                   | 53                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 159                   | 34                   | 54                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 160                   | 34                   | 55                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 161                   | 34                   | 56                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 162                   | 34                   | 57                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 163                   | 34                   | 58                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 164                   | 34                   | 59                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 165                   | 34                   | 60                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 166                   | 34                   | 61                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 167                   | 34                   | 62                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 168                   | 34                   | 63                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 169                   | 34                   | 64                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 170                   | 34                   | 65                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 171                   | 34                   | 66                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 172                   | 34                   | 67                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 173                   | 34                   | 68                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 174                   | 34                   | 69                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 175                   | 34                   | 70                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 176                   | 34                   | 71                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 177                   | 34                   | 72                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 178                   | 34                   | 73                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 179                   | 34                   | 74                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 180                   | 34                   | 75                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 181                   | 34                   | 76                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 182                   | 34                   | 77                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 183                   | 34                   | 78                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 184                   | 34                   | 79                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 185                   | 34                   | 80                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 186                   | 34                   | 81                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 187                   | 34                   | 82                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 188                   | 34                   | 83                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 189                   | 34                   | 84                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 190                   | 34                   | 85                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 191                   | 34                   | 86                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 192                   | 34                   | 87                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 193                   | 34                   | 88                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 194                   | 34                   | 89                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 195                   | 34                   | 90                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 196                   | 34                   | 91                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 197                   | 34                   | 92                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 198                   | 34                   | 93                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 199                   | 34                   | 94                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |
| 200                   | 34                   | 95                   | 88                                                          | 102                                                        | 70                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 86                                                       | 87                                                       | 85                                                       |



| 01<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG-2<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 0-06<br>ENG-2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>TEMP<br>DEG.C | 0-07<br>ENG-2<br>IGNIT<br>EXCITR<br>OUTBD<br>TEMP<br>DEG.C | 0-08<br>ENG-2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 0-09<br>ENG-2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG-2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG-2<br>COMPR<br>CS<br>SYS.2<br>4.30<br>DEG.C | 0-12<br>ENG-2<br>COMPR<br>CSE<br>SYS.3<br>3.00<br>DEG.C | 0-13<br>ENG-2<br>COMPR<br>CSE<br>SYS.3<br>4.30<br>DEG.C | 0-14<br>ENG-2<br>COMPR<br>CSE<br>SYS.3<br>6.00<br>DEG.C |
|----------------------|----------------------|----------------------|------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 135                  | *                    | *                    | 92                                                         | 105                                                               | 72                                                         | *                                                         | 110                                                    | 47                                                     | 103                                                    | 122                                                     | 110                                                     | 119                                                     |
| 136                  | 35                   | 31                   | 94                                                         | 107                                                               | 74                                                         | *                                                         | 121                                                    | 47                                                     | 104                                                    | 126                                                     | 120                                                     | 119                                                     |
| 137                  | 35                   | 53                   | 94                                                         | 109                                                               | 73                                                         | *                                                         | 122                                                    | 46                                                     | 101                                                    | 121                                                     | 118                                                     | 119                                                     |
| 138                  | 36                   | 14                   | 95                                                         | 111                                                               | 75                                                         | *                                                         | 123                                                    | 47                                                     | 102                                                    | 122                                                     | 110                                                     | 119                                                     |
| 139                  | 36                   | 35                   | 96                                                         | 112                                                               | 75                                                         | *                                                         | 124                                                    | 48                                                     | 99                                                     | 121                                                     | 117                                                     | 119                                                     |
| 140                  | *                    | 54                   | 96                                                         | 113                                                               | 76                                                         | *                                                         | 124                                                    | 47                                                     | 93                                                     | 115                                                     | 114                                                     | 110                                                     |
| 141                  | *                    | 15                   | 97                                                         | 113                                                               | 76                                                         | *                                                         | 123                                                    | 47                                                     | 94                                                     | 114                                                     | 117                                                     | 117                                                     |
| 142                  | 37                   | 38                   | 96                                                         | 114                                                               | 76                                                         | *                                                         | *                                                      | *                                                      | 94                                                     | 114                                                     | 114                                                     | 116                                                     |
| 143                  | 37                   | 59                   | 96                                                         | 114                                                               | 76                                                         | *                                                         | 122                                                    | 47                                                     | 93                                                     | 112                                                     | 112                                                     | 115                                                     |
| 144                  | 38                   | 21                   | 97                                                         | 115                                                               | 76                                                         | *                                                         | 121                                                    | 47                                                     | 92                                                     | 112                                                     | 112                                                     | 116                                                     |
| 145                  | 38                   | 42                   | 97                                                         | 114                                                               | 77                                                         | *                                                         | 121                                                    | 46                                                     | 93                                                     | 112                                                     | 112                                                     | 114                                                     |
| 146                  | 39                   | 3                    | 97                                                         | 114                                                               | 76                                                         | *                                                         | 122                                                    | 47                                                     | 91                                                     | 112                                                     | 111                                                     | 114                                                     |
| 147                  | 39                   | 24                   | 97                                                         | 115                                                               | 77                                                         | *                                                         | 122                                                    | 47                                                     | 96                                                     | 115                                                     | 113                                                     | 115                                                     |
| 148                  | 39                   | 45                   | 95                                                         | 114                                                               | 77                                                         | *                                                         | 120                                                    | 45                                                     | 90                                                     | 112                                                     | 111                                                     | 114                                                     |
| 149                  | *                    | 4                    | 90                                                         | 114                                                               | 78                                                         | *                                                         | 122                                                    | 46                                                     | *                                                      | *                                                       | 110                                                     | 113                                                     |
| 150                  | 40                   | 27                   | 100                                                        | 116                                                               | 79                                                         | *                                                         | 121                                                    | 47                                                     | 92                                                     | 113                                                     | 113                                                     | 114                                                     |
| 151                  | 40                   | 48                   | 99                                                         | 117                                                               | 78                                                         | *                                                         | 122                                                    | 46                                                     | 95                                                     | 113                                                     | 112                                                     | 116                                                     |
| 152                  | 41                   | 9                    | 100                                                        | 116                                                               | 77                                                         | *                                                         | 122                                                    | 46                                                     | 89                                                     | 113                                                     | 111                                                     | 113                                                     |
| 153                  | 41                   | 31                   | 100                                                        | 116                                                               | 77                                                         | *                                                         | 121                                                    | 46                                                     | 92                                                     | 111                                                     | 109                                                     | 113                                                     |
| 154                  | 41                   | 52                   | 100                                                        | 117                                                               | 78                                                         | *                                                         | 119                                                    | 46                                                     | 93                                                     | 113                                                     | 113                                                     | 113                                                     |
| 155                  | 42                   | 13                   | 101                                                        | 117                                                               | 78                                                         | *                                                         | 121                                                    | 46                                                     | 92                                                     | 111                                                     | 111                                                     | 113                                                     |
| 156                  | 42                   | 34                   | 99                                                         | 117                                                               | 78                                                         | *                                                         | 121                                                    | 46                                                     | 89                                                     | 110                                                     | 108                                                     | 113                                                     |
| 157                  | 42                   | 55                   | 101                                                        | 118                                                               | 73                                                         | *                                                         | 120                                                    | 46                                                     | 87                                                     | 107                                                     | 107                                                     | 111                                                     |
| 158                  | 43                   | 16                   | 101                                                        | 118                                                               | 79                                                         | *                                                         | 119                                                    | 46                                                     | 92                                                     | 111                                                     | 100                                                     | 112                                                     |
| 159                  | *                    | 35                   | 101                                                        | 118                                                               | 79                                                         | *                                                         | 118                                                    | 45                                                     | 89                                                     | 110                                                     | 109                                                     | 111                                                     |
| 160                  | 43                   | 56                   | 101                                                        | 117                                                               | 73                                                         | *                                                         | 118                                                    | 46                                                     | 83                                                     | 108                                                     | 107                                                     | 110                                                     |
| 161                  | 44                   | 19                   | 102                                                        | 116                                                               | 80                                                         | *                                                         | 114                                                    | 47                                                     | 97                                                     | 116                                                     | 113                                                     | 114                                                     |
| 162                  | *                    | 38                   | 102                                                        | 118                                                               | 77                                                         | *                                                         | 117                                                    | 45                                                     | 98                                                     | 116                                                     | 113                                                     | 114                                                     |
| 163                  | *                    | 2                    | 102                                                        | 118                                                               | 80                                                         | *                                                         | 118                                                    | 47                                                     | 96                                                     | 117                                                     | 115                                                     | 115                                                     |
| 164                  | 45                   | 22                   | 102                                                        | 118                                                               | 77                                                         | *                                                         | 117                                                    | 47                                                     | 91                                                     | 112                                                     | 112                                                     | 113                                                     |
| 165                  | 45                   | 44                   | 103                                                        | 118                                                               | 80                                                         | *                                                         | 119                                                    | 46                                                     | 92                                                     | 113                                                     | 110                                                     | 113                                                     |
| 166                  | 45                   | 5                    | 102                                                        | 118                                                               | 80                                                         | *                                                         | 120                                                    | 46                                                     | 91                                                     | 113                                                     | 112                                                     | 113                                                     |
| 167                  | 46                   | 24                   | 102                                                        | 120                                                               | 80                                                         | *                                                         | 121                                                    | 46                                                     | 91                                                     | *                                                       | *                                                       | 115                                                     |
| 168                  | *                    | 45                   | 102                                                        | 119                                                               | 80                                                         | *                                                         | 121                                                    | 45                                                     | 89                                                     | 109                                                     | 109                                                     | 113                                                     |
| 169                  | 47                   | 8                    | 102                                                        | 121                                                               | 80                                                         | *                                                         | 121                                                    | 47                                                     | 93                                                     | 108                                                     | 107                                                     | 113                                                     |
| 170                  | 47                   | 29                   | 102                                                        | 121                                                               | 73                                                         | *                                                         | 121                                                    | 46                                                     | 88                                                     | 108                                                     | 107                                                     | 113                                                     |
| 171                  | 47                   | 51                   | 101                                                        | 120                                                               | 73                                                         | *                                                         | 121                                                    | 46                                                     | 89                                                     | 109                                                     | 107                                                     | 113                                                     |
| 172                  | 48                   | 12                   | 102                                                        | 119                                                               | 76                                                         | *                                                         | 120                                                    | 46                                                     | 87                                                     | 107                                                     | 104                                                     | 112                                                     |
| 173                  | 48                   | 33                   | 102                                                        | 120                                                               | 78                                                         | *                                                         | 120                                                    | 46                                                     | 86                                                     | 104                                                     | 103                                                     | 110                                                     |
| 174                  | 48                   | 54                   | 101                                                        | 120                                                               | 78                                                         | *                                                         | 115                                                    | 46                                                     | 83                                                     | 104                                                     | 103                                                     | 110                                                     |
| 175                  | 48                   | 15                   | 102                                                        | 121                                                               | 77                                                         | *                                                         | 118                                                    | 46                                                     | 87                                                     | 107                                                     | 106                                                     | 111                                                     |
| 176                  | 49                   | 34                   | 102                                                        | 120                                                               | 75                                                         | *                                                         | 119                                                    | 45                                                     | 88                                                     | 107                                                     | 106                                                     | 111                                                     |
| 177                  | 49                   | 57                   | 102                                                        | 121                                                               | 73                                                         | *                                                         | 118                                                    | 46                                                     | 89                                                     | 106                                                     | 105                                                     | 111                                                     |
| 178                  | 50                   | 14                   | 102                                                        | 120                                                               | 75                                                         | *                                                         | 119                                                    | 44                                                     | 83                                                     | 104                                                     | 104                                                     | 111                                                     |
| 179                  | 50                   | 33                   | 102                                                        | 120                                                               | 73                                                         | *                                                         | 118                                                    | 46                                                     | 88                                                     | 107                                                     | 105                                                     | 111                                                     |
| 180                  | 51                   | 1                    | 101                                                        | 120                                                               | 73                                                         | *                                                         | 119                                                    | 46                                                     | 92                                                     | 109                                                     | 105                                                     | 111                                                     |
| 181                  | 51                   | 22                   | 101                                                        | 119                                                               | 78                                                         | *                                                         | 118                                                    | 46                                                     | 87                                                     | 109                                                     | 106                                                     | 112                                                     |
| 182                  | *                    | *                    | 101                                                        | 121                                                               | 78                                                         | *                                                         | 119                                                    | 45                                                     | 88                                                     | 109                                                     | 106                                                     | 112                                                     |
| 183                  | 52                   | 4                    | 102                                                        | 120                                                               | 73                                                         | *                                                         | 120                                                    | 46                                                     | 88                                                     | 107                                                     | 105                                                     | 112                                                     |
| 184                  | 52                   | 25                   | 102                                                        | 121                                                               | 73                                                         | *                                                         | 119                                                    | 46                                                     | 87                                                     | 107                                                     | 105                                                     | 112                                                     |

| -01<br>SHEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOUNT<br>DEG.C | 0-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 0-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 0-08<br>ENG.2<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 0-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 0-12<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>3.00<br>DEG.C | 0-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 0-14<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 185                   | 52                   | 46                   | 103                                                | 121                                                       | 80                                                         | *                                                        | 118                                                    | 46                                                     | 89                                                      | 109                                                     | 107                                                     | 111                                                     |
| 186                   | 53                   | 7                    | 104                                                | *                                                         | *                                                          | *                                                        | 119                                                    | 46                                                     | 87                                                      | 107                                                     | 105                                                     | 111                                                     |
| 187                   | 53                   | 28                   | 103                                                | 123                                                       | 80                                                         | *                                                        | 118                                                    | 46                                                     | 89                                                      | 106                                                     | 104                                                     | 112                                                     |
| 188                   | 53                   | 49                   | 104                                                | 123                                                       | 79                                                         | *                                                        | 120                                                    | 46                                                     | 80                                                      | 109                                                     | 106                                                     | 111                                                     |
| 189                   | 54                   | 10                   | 103                                                | 123                                                       | 80                                                         | *                                                        | 117                                                    | 46                                                     | 89                                                      | 108                                                     | 106                                                     | 111                                                     |
| 190                   | 54                   | 32                   | 103                                                | 123                                                       | 80                                                         | *                                                        | 118                                                    | 46                                                     | 86                                                      | 104                                                     | 105                                                     | 112                                                     |
| 191                   | 54                   | 53                   | 104                                                | 125                                                       | 80                                                         | *                                                        | 118                                                    | 47                                                     | 89                                                      | 108                                                     | 105                                                     | 112                                                     |
| 192                   | 55                   | 14                   | 104                                                | 125                                                       | 80                                                         | *                                                        | 118                                                    | 47                                                     | 88                                                      | 108                                                     | 106                                                     | 111                                                     |
| 193                   | 55                   | 35                   | 104                                                | 124                                                       | 79                                                         | *                                                        | 118                                                    | 46                                                     | 88                                                      | 108                                                     | 104                                                     | 111                                                     |
| 194                   | 55                   | 56                   | 104                                                | 124                                                       | 79                                                         | *                                                        | 117                                                    | 46                                                     | 89                                                      | 108                                                     | 105                                                     | 112                                                     |
| 195                   | 56                   | 17                   | 105                                                | 125                                                       | 80                                                         | *                                                        | 118                                                    | 46                                                     | 89                                                      | 108                                                     | 107                                                     | 111                                                     |
| 196                   | 56                   | 38                   | 105                                                | 126                                                       | 80                                                         | *                                                        | 119                                                    | 46                                                     | 89                                                      | 108                                                     | 106                                                     | 112                                                     |
| 197                   | 56                   | 59                   | 104                                                | 127                                                       | 80                                                         | *                                                        | 118                                                    | 46                                                     | 87                                                      | 107                                                     | 103                                                     | 110                                                     |
| 198                   | *                    | *                    | 103                                                | 125                                                       | 80                                                         | *                                                        | 117                                                    | 46                                                     | 87                                                      | 104                                                     | 103                                                     | 109                                                     |
| 199                   | 57                   | 41                   | 104                                                | 126                                                       | 79                                                         | *                                                        | 114                                                    | 45                                                     | 88                                                      | 105                                                     | 104                                                     | 107                                                     |
| 200                   | 58                   | 2                    | 103                                                | 124                                                       | 79                                                         | *                                                        | 113                                                    | 47                                                     | 78                                                      | 97                                                      | 97                                                      | 101                                                     |
| 201                   | 58                   | 23                   | 103                                                | 123                                                       | 77                                                         | *                                                        | 111                                                    | 48                                                     | 77                                                      | 92                                                      | 92                                                      | 95                                                      |
| 202                   | 58                   | 44                   | 102                                                | 121                                                       | 74                                                         | *                                                        | 109                                                    | 48                                                     | 75                                                      | 88                                                      | 89                                                      | 91                                                      |
| 203                   | 59                   | 3                    | 101                                                | 118                                                       | 76                                                         | *                                                        | 107                                                    | 50                                                     | 71                                                      | 85                                                      | 85                                                      | 89                                                      |
| 204                   | 59                   | 26                   | 100                                                | 117                                                       | 75                                                         | *                                                        | 106                                                    | 50                                                     | 71                                                      | 83                                                      | 82                                                      | 87                                                      |
| 205                   | *                    | 45                   | 100                                                | 114                                                       | 75                                                         | *                                                        | 106                                                    | 50                                                     | 71                                                      | 81                                                      | 81                                                      | 86                                                      |
| 206                   | 60                   | 8                    | 98                                                 | 113                                                       | 74                                                         | *                                                        | 104                                                    | 51                                                     | 71                                                      | 80                                                      | 80                                                      | 86                                                      |
| 207                   | 60                   | 30                   | 98                                                 | 112                                                       | 75                                                         | *                                                        | 104                                                    | 50                                                     | 85                                                      | 96                                                      | 93                                                      | 95                                                      |
| 208                   | 60                   | 51                   | 98                                                 | 111                                                       | 75                                                         | *                                                        | 107                                                    | 48                                                     | 87                                                      | 103                                                     | 99                                                      | 102                                                     |
| 209                   | 61                   | 12                   | 97                                                 | 110                                                       | 76                                                         | *                                                        | 109                                                    | 48                                                     | 88                                                      | 105                                                     | 102                                                     | 106                                                     |
| 210                   | 61                   | 33                   | 98                                                 | 111                                                       | 75                                                         | *                                                        | 110                                                    | 47                                                     | 87                                                      | 106                                                     | 104                                                     | 107                                                     |
| 211                   | 61                   | 54                   | 98                                                 | 112                                                       | 76                                                         | *                                                        | 112                                                    | 47                                                     | 87                                                      | 106                                                     | 102                                                     | 107                                                     |
| 212                   | 62                   | 15                   | 97                                                 | 113                                                       | 75                                                         | *                                                        | 113                                                    | 47                                                     | 88                                                      | 106                                                     | 103                                                     | 108                                                     |
| 213                   | 62                   | 36                   | 98                                                 | 113                                                       | 76                                                         | *                                                        | 112                                                    | 45                                                     | 87                                                      | 107                                                     | 103                                                     | 109                                                     |
| 214                   | 62                   | 57                   | 98                                                 | 115                                                       | 76                                                         | *                                                        | 113                                                    | 46                                                     | 88                                                      | 107                                                     | 104                                                     | 110                                                     |
| 215                   | 63                   | 18                   | 98                                                 | 116                                                       | 76                                                         | *                                                        | 114                                                    | 46                                                     | 87                                                      | 107                                                     | 104                                                     | 110                                                     |
| 216                   | 63                   | 39                   | 99                                                 | 116                                                       | 77                                                         | *                                                        | 115                                                    | 46                                                     | 88                                                      | 107                                                     | 104                                                     | 110                                                     |
| 217                   | 64                   | 1                    | 99                                                 | 116                                                       | 77                                                         | *                                                        | 116                                                    | 46                                                     | 88                                                      | 107                                                     | 104                                                     | 110                                                     |
| 218                   | 64                   | 22                   | 98                                                 | 118                                                       | 77                                                         | *                                                        | 116                                                    | 46                                                     | 87                                                      | 107                                                     | 103                                                     | 110                                                     |
| 219                   | 64                   | 43                   | 100                                                | 117                                                       | 77                                                         | *                                                        | 116                                                    | 47                                                     | 88                                                      | 107                                                     | 106                                                     | 111                                                     |
| 220                   | 64                   | 1                    | 100                                                | 117                                                       | 77                                                         | *                                                        | 116                                                    | 46                                                     | 88                                                      | 107                                                     | 104                                                     | 112                                                     |
| 221                   | 65                   | 2                    | 101                                                | 119                                                       | 77                                                         | *                                                        | 116                                                    | 46                                                     | 87                                                      | 106                                                     | 104                                                     | 110                                                     |
| 222                   | 65                   | 46                   | 102                                                | 120                                                       | 77                                                         | *                                                        | 117                                                    | 46                                                     | 88                                                      | 108                                                     | 104                                                     | 110                                                     |
| 223                   | 65                   | 7                    | 101                                                | 119                                                       | 79                                                         | *                                                        | 117                                                    | 46                                                     | 89                                                      | 107                                                     | 104                                                     | 110                                                     |
| 224                   | 66                   | 28                   | 102                                                | 121                                                       | 78                                                         | *                                                        | 117                                                    | 45                                                     | 87                                                      | 107                                                     | 104                                                     | 113                                                     |
| 225                   | 66                   | 49                   | 102                                                | 121                                                       | 78                                                         | *                                                        | 117                                                    | 46                                                     | 88                                                      | 107                                                     | 105                                                     | 110                                                     |
| 226                   | 67                   | 11                   | 102                                                | 121                                                       | 73                                                         | *                                                        | 116                                                    | 46                                                     | 87                                                      | 106                                                     | 105                                                     | 110                                                     |
| 227                   | 67                   | 37                   | 102                                                | 121                                                       | 74                                                         | *                                                        | 117                                                    | 46                                                     | 87                                                      | 107                                                     | 105                                                     | 110                                                     |
| 228                   | 67                   | 53                   | 102                                                | 122                                                       | 74                                                         | *                                                        | 117                                                    | 47                                                     | 89                                                      | 107                                                     | 105                                                     | 110                                                     |
| 229                   | 68                   | 14                   | 104                                                | 123                                                       | 79                                                         | *                                                        | 116                                                    | 46                                                     | 88                                                      | 107                                                     | 104                                                     | 111                                                     |
| 230                   | 68                   | 33                   | 102                                                | 121                                                       | 73                                                         | *                                                        | 117                                                    | 45                                                     | 87                                                      | 106                                                     | 104                                                     | 110                                                     |
| 231                   | 68                   | 56                   | 102                                                | 122                                                       | 73                                                         | *                                                        | 116                                                    | 46                                                     | 88                                                      | 106                                                     | 105                                                     | 109                                                     |
| 232                   | 69                   | 15                   | 102                                                | 122                                                       | 79                                                         | *                                                        | 118                                                    | 46                                                     | 87                                                      | 106                                                     | 104                                                     | 110                                                     |
| 233                   | 69                   | 38                   | 104                                                | 122                                                       | 76                                                         | *                                                        | 113                                                    | 46                                                     | 86                                                      | 103                                                     | 99                                                      | 106                                                     |
| 234                   | 69                   | 59                   | 105                                                | 122                                                       | 75                                                         | *                                                        | 109                                                    | 46                                                     | 84                                                      | 101                                                     | 94                                                      | 102                                                     |

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | A-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOUNT<br>DEG.C | A-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>IMBO<br>DEG.C | A-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTPD<br>DEG.C | A-08<br>ENG.2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 8-09<br>ENG.2<br>LURE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 9-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPRS<br>CSE<br>STG.3<br>3.00<br>DEG.C | 8-13<br>ENG.2<br>COMPRS<br>CSE<br>STG.3<br>4.30<br>DEG.C | 9-14<br>ENG.2<br>COMPRS<br>CSE<br>STG.3<br>4.30<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 215                   | 70                   | 20                   | 184                                                | 121                                                       | 76                                                         | *                                                         | 107                                                    | 47                                                     | 80                                                       | 97                                                       | 90                                                       | 90                                                       |
| 216                   | 70                   | 41                   | 184                                                | 115                                                       | 74                                                         | *                                                         | 104                                                    | 47                                                     | 79                                                       | 94                                                       | 85                                                       | 82                                                       |
| 217                   | 71                   | 2                    | 183                                                | 113                                                       | 74                                                         | *                                                         | 103                                                    | 48                                                     | 74                                                       | 93                                                       | 84                                                       | 81                                                       |
| 218                   | 71                   | 23                   | 183                                                | 106                                                       | 73                                                         | *                                                         | 102                                                    | 48                                                     | 77                                                       | 90                                                       | 82                                                       | 80                                                       |
| 219                   | 71                   | 44                   | 183                                                | 107                                                       | 74                                                         | *                                                         | 101                                                    | 47                                                     | 77                                                       | 90                                                       | 82                                                       | 80                                                       |
| 220                   | *                    | 1                    | 93                                                 | 102                                                       | 71                                                         | *                                                         | 99                                                     | 47                                                     | 79                                                       | 90                                                       | 82                                                       | 82                                                       |
| 221                   | 72                   | 26                   | 97                                                 | 102                                                       | 70                                                         | *                                                         | 100                                                    | 46                                                     | 81                                                       | 85                                                       | 87                                                       | 81                                                       |
| 222                   | 72                   | 47                   | 98                                                 | 102                                                       | 71                                                         | *                                                         | 99                                                     | 46                                                     | 77                                                       | 93                                                       | 86                                                       | 84                                                       |
| 223                   | 73                   | 6                    | 96                                                 | 97                                                        | 66                                                         | *                                                         | 100                                                    | 48                                                     | 71                                                       | 83                                                       | 81                                                       | 81                                                       |
| 224                   | 73                   | 29                   | 93                                                 | 95                                                        | 65                                                         | *                                                         | 97                                                     | 48                                                     | 76                                                       | 87                                                       | 80                                                       | 78                                                       |
| 225                   | 73                   | 50                   | 93                                                 | 95                                                        | 67                                                         | *                                                         | 99                                                     | 47                                                     | 80                                                       | 93                                                       | 87                                                       | 87                                                       |
| 226                   | *                    | 9                    | 91                                                 | 95                                                        | 67                                                         | *                                                         | *                                                      | 48                                                     | 85                                                       | 101                                                      | 95                                                       | 97                                                       |
| 227                   | *                    | 38                   | 92                                                 | 96                                                        | 69                                                         | *                                                         | 104                                                    | 46                                                     | 87                                                       | 103                                                      | 99                                                       | 102                                                      |
| 228                   | 74                   | 54                   | 92                                                 | 99                                                        | 69                                                         | *                                                         | 108                                                    | 46                                                     | 88                                                       | 104                                                      | 100                                                      | 104                                                      |
| 229                   | 75                   | 15                   | 92                                                 | 102                                                       | 63                                                         | *                                                         | 108                                                    | 46                                                     | 88                                                       | 104                                                      | 100                                                      | 104                                                      |
| 230                   | 75                   | 36                   | 92                                                 | 102                                                       | 79                                                         | *                                                         | 111                                                    | 46                                                     | 87                                                       | 107                                                      | 102                                                      | 106                                                      |
| 231                   | *                    | 54                   | 93                                                 | 104                                                       | 71                                                         | *                                                         | 111                                                    | 46                                                     | 87                                                       | 107                                                      | 103                                                      | 107                                                      |
| 232                   | 76                   | 18                   | 93                                                 | 106                                                       | 71                                                         | *                                                         | 112                                                    | 46                                                     | 87                                                       | 107                                                      | 104                                                      | 108                                                      |
| 233                   | 76                   | 39                   | 93                                                 | 107                                                       | 72                                                         | *                                                         | 112                                                    | 47                                                     | 88                                                       | 106                                                      | 105                                                      | 108                                                      |
| 234                   | 77                   | 0                    | 94                                                 | 108                                                       | 72                                                         | *                                                         | 114                                                    | 47                                                     | 87                                                       | 105                                                      | 104                                                      | 109                                                      |
| 235                   | 77                   | 21                   | 95                                                 | 110                                                       | 72                                                         | *                                                         | 116                                                    | 46                                                     | 87                                                       | 106                                                      | 105                                                      | 109                                                      |
| 236                   | 77                   | 42                   | 94                                                 | 112                                                       | 73                                                         | *                                                         | 115                                                    | 47                                                     | 84                                                       | 106                                                      | 104                                                      | 109                                                      |
| 237                   | *                    | 1                    | 96                                                 | 113                                                       | 74                                                         | *                                                         | 115                                                    | 46                                                     | 87                                                       | 107                                                      | 103                                                      | 110                                                      |
| 238                   | 78                   | 25                   | 97                                                 | 113                                                       | 73                                                         | *                                                         | 115                                                    | 46                                                     | 89                                                       | 106                                                      | 103                                                      | 109                                                      |
| 239                   | 78                   | 46                   | 96                                                 | 114                                                       | 74                                                         | *                                                         | 117                                                    | 46                                                     | 87                                                       | 105                                                      | 104                                                      | 110                                                      |
| 240                   | *                    | 4                    | 97                                                 | 114                                                       | 74                                                         | *                                                         | 116                                                    | 46                                                     | 83                                                       | 105                                                      | 106                                                      | *                                                        |
| 241                   | 79                   | 24                   | 97                                                 | 114                                                       | 73                                                         | *                                                         | 117                                                    | 46                                                     | 87                                                       | 105                                                      | 103                                                      | 111                                                      |
| 242                   | 79                   | 49                   | 97                                                 | 116                                                       | 77                                                         | *                                                         | 117                                                    | 46                                                     | 87                                                       | 104                                                      | 105                                                      | 110                                                      |
| 243                   | 80                   | 10                   | 98                                                 | 115                                                       | 77                                                         | *                                                         | 117                                                    | 46                                                     | 87                                                       | 105                                                      | 105                                                      | 110                                                      |
| 244                   | 80                   | 32                   | 98                                                 | 116                                                       | 75                                                         | *                                                         | 116                                                    | 46                                                     | 87                                                       | 105                                                      | 104                                                      | 111                                                      |
| 245                   | 90                   | 53                   | 98                                                 | 117                                                       | 75                                                         | *                                                         | 117                                                    | 47                                                     | 87                                                       | 107                                                      | 104                                                      | 109                                                      |
| 246                   | 91                   | 14                   | 93                                                 | 116                                                       | 75                                                         | *                                                         | 116                                                    | 47                                                     | 87                                                       | 106                                                      | 104                                                      | 111                                                      |
| 247                   | *                    | 29                   | 95                                                 | 117                                                       | 77                                                         | *                                                         | 116                                                    | 46                                                     | 86                                                       | 107                                                      | 106                                                      | 109                                                      |
| 248                   | 81                   | 56                   | 95                                                 | 117                                                       | 77                                                         | *                                                         | 113                                                    | 46                                                     | 83                                                       | 108                                                      | 106                                                      | 108                                                      |
| 249                   | 82                   | 17                   | 96                                                 | 115                                                       | 77                                                         | *                                                         | 113                                                    | 46                                                     | 87                                                       | 105                                                      | 104                                                      | 108                                                      |
| 250                   | 82                   | 38                   | 96                                                 | 115                                                       | 77                                                         | *                                                         | 112                                                    | 48                                                     | 87                                                       | 105                                                      | 104                                                      | 108                                                      |
| 251                   | 82                   | 59                   | 94                                                 | 117                                                       | 76                                                         | *                                                         | 112                                                    | 48                                                     | 75                                                       | 94                                                       | 95                                                       | 100                                                      |
| 252                   | 83                   | 27                   | 94                                                 | 116                                                       | 75                                                         | *                                                         | 110                                                    | 49                                                     | 72                                                       | 86                                                       | 89                                                       | 95                                                       |
| 253                   | 83                   | 47                   | 97                                                 | 114                                                       | 75                                                         | *                                                         | 109                                                    | 50                                                     | 73                                                       | 85                                                       | 85                                                       | 93                                                       |
| 254                   | 83                   | 41                   | 97                                                 | 114                                                       | 74                                                         | *                                                         | 107                                                    | 51                                                     | 73                                                       | 85                                                       | 84                                                       | 91                                                       |
| 255                   | 84                   | 23                   | 96                                                 | 112                                                       | 73                                                         | *                                                         | 105                                                    | 50                                                     | 73                                                       | 84                                                       | 83                                                       | 89                                                       |
| 256                   | 84                   | 47                   | 96                                                 | 112                                                       | 72                                                         | *                                                         | 105                                                    | 51                                                     | 73                                                       | 83                                                       | 83                                                       | 84                                                       |
| 257                   | 84                   | 27                   | 96                                                 | 110                                                       | 72                                                         | *                                                         | 104                                                    | 51                                                     | 72                                                       | 83                                                       | 82                                                       | 87                                                       |
| 258                   | 85                   | 47                   | 95                                                 | 108                                                       | 72                                                         | *                                                         | 103                                                    | 51                                                     | 72                                                       | 83                                                       | 82                                                       | 88                                                       |
| 259                   | 85                   | 24                   | 95                                                 | 107                                                       | 71                                                         | *                                                         | 102                                                    | 52                                                     | 72                                                       | 82                                                       | 83                                                       | 87                                                       |
| 260                   | 85                   | 47                   | 93                                                 | 102                                                       | 70                                                         | *                                                         | 103                                                    | 51                                                     | 75                                                       | 82                                                       | 82                                                       | 87                                                       |
| 261                   | 86                   | 5                    | 93                                                 | 103                                                       | 71                                                         | *                                                         | 103                                                    | 49                                                     | 74                                                       | 97                                                       | 94                                                       | 94                                                       |
| 262                   | 86                   | 51                   | 94                                                 | 103                                                       | 71                                                         | *                                                         | 103                                                    | 48                                                     | 86                                                       | 102                                                      | 99                                                       | 101                                                      |
| 263                   | 87                   | 12                   | 93                                                 | 104                                                       | 71                                                         | *                                                         | 102                                                    | 47                                                     | 87                                                       | 105                                                      | 101                                                      | 104                                                      |
| 264                   | 87                   | 33                   | 93                                                 | 105                                                       | 72                                                         | *                                                         | 102                                                    | 47                                                     | 86                                                       | 105                                                      | 102                                                      | 106                                                      |
| 265                   | 87                   | 54                   | 94                                                 | 105                                                       | 72                                                         | *                                                         | 102                                                    | 47                                                     | 86                                                       | 105                                                      | 102                                                      | 106                                                      |
| 266                   | 87                   | 33                   | 94                                                 | 106                                                       | 73                                                         | *                                                         | 102                                                    | 46                                                     | 87                                                       | 105                                                      | 102                                                      | 107                                                      |

| -01<br>SWEEP<br>COUNT | B-02<br>TIME<br>MIN. | B-03<br>TIME<br>SEC. | B-05<br>ENG.2<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | B-06<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>INBD<br>DEG.C | A-07<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>OUTBD<br>DEG.C | B-08<br>ENG.2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | B-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | B-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | B-11<br>ENG.2<br>COMPRS<br>CSE<br>SIG.3<br>4.30<br>DEG.C | B-12<br>ENG.2<br>COMPRS<br>CSE<br>SIG.3<br>3.00<br>DEG.C | B-13<br>ENG.2<br>COMPRS<br>CSE<br>SIG.3<br>4.30<br>DEG.C | B-14<br>ENG.2<br>COMPRS<br>CSE<br>SIG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 285                   | 87                   | 54                   | 95                                                          | 108                                                        | 73                                                          | *                                                         | 112                                                    | 46                                                     | 87                                                       | 105                                                      | 102                                                      | 107                                                      |
| 286                   | 88                   | 15                   | 95                                                          | 109                                                        | 73                                                          | *                                                         | 113                                                    | 46                                                     | 86                                                       | 104                                                      | 101                                                      | 107                                                      |
| 287                   | 88                   | 36                   | 96                                                          | 111                                                        | 73                                                          | *                                                         | 113                                                    | 48                                                     | 86                                                       | 105                                                      | 103                                                      | 107                                                      |
| 288                   | 88                   | 58                   | 96                                                          | 111                                                        | 74                                                          | *                                                         | 113                                                    | 46                                                     | 86                                                       | 104                                                      | 101                                                      | 108                                                      |
| 289                   | 89                   | 19                   | 97                                                          | 113                                                        | 73                                                          | *                                                         | 113                                                    | 46                                                     | 87                                                       | 106                                                      | 103                                                      | 108                                                      |
| 290                   | 89                   | 40                   | 96                                                          | 113                                                        | 74                                                          | *                                                         | 113                                                    | 46                                                     | 88                                                       | 106                                                      | 104                                                      | 108                                                      |
| 291                   | 90                   | 1                    | 96                                                          | 113                                                        | 74                                                          | *                                                         | 113                                                    | 46                                                     | 87                                                       | 106                                                      | 104                                                      | 108                                                      |
| 292                   | 90                   | 22                   | 97                                                          | 113                                                        | 73                                                          | *                                                         | 114                                                    | 46                                                     | 87                                                       | 105                                                      | 103                                                      | 108                                                      |
| 293                   | 90                   | 43                   | 96                                                          | 113                                                        | 73                                                          | *                                                         | 114                                                    | 46                                                     | 88                                                       | 107                                                      | 104                                                      | 108                                                      |
| 294                   | 91                   | 4                    | 97                                                          | 114                                                        | 76                                                          | *                                                         | 115                                                    | 47                                                     | 87                                                       | 108                                                      | 105                                                      | 109                                                      |
| 295                   | 91                   | 26                   | 97                                                          | 115                                                        | 75                                                          | *                                                         | 115                                                    | 46                                                     | 88                                                       | 108                                                      | 105                                                      | 109                                                      |
| 296                   | 91                   | 47                   | 97                                                          | 116                                                        | 75                                                          | *                                                         | 115                                                    | 46                                                     | 87                                                       | 107                                                      | 105                                                      | 109                                                      |
| 297                   | 92                   | 8                    | 98                                                          | 116                                                        | 75                                                          | *                                                         | 115                                                    | 46                                                     | 88                                                       | 108                                                      | 105                                                      | 109                                                      |
| 298                   | 92                   | 29                   | 98                                                          | 116                                                        | 76                                                          | *                                                         | 115                                                    | 47                                                     | 87                                                       | 108                                                      | 105                                                      | 109                                                      |
| 299                   | 92                   | 48                   | 99                                                          | 116                                                        | 76                                                          | *                                                         | 116                                                    | 47                                                     | 86                                                       | 105                                                      | 102                                                      | 108                                                      |
| 300                   | 93                   | 11                   | 98                                                          | 117                                                        | 76                                                          | *                                                         | 116                                                    | 46                                                     | 87                                                       | 105                                                      | 103                                                      | 108                                                      |
| 301                   | 93                   | 32                   | 99                                                          | 117                                                        | 76                                                          | *                                                         | 116                                                    | 46                                                     | 87                                                       | 106                                                      | 103                                                      | 108                                                      |
| 302                   | 93                   | 54                   | 99                                                          | 117                                                        | 76                                                          | *                                                         | 116                                                    | 47                                                     | 87                                                       | 105                                                      | 103                                                      | 108                                                      |
| 303                   | 94                   | 15                   | 101                                                         | 117                                                        | 76                                                          | *                                                         | 116                                                    | 47                                                     | 87                                                       | 104                                                      | 103                                                      | 108                                                      |
| 304                   | 94                   | 33                   | 99                                                          | 117                                                        | 76                                                          | *                                                         | 116                                                    | 48                                                     | 87                                                       | 105                                                      | 103                                                      | 108                                                      |
| 305                   | 95                   | 54                   | 100                                                         | 118                                                        | 76                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 105                                                      | 103                                                      | 108                                                      |
| 306                   | 95                   | 18                   | 100                                                         | 118                                                        | 76                                                          | *                                                         | 117                                                    | 46                                                     | 87                                                       | 105                                                      | 103                                                      | 108                                                      |
| 307                   | 96                   | 37                   | 100                                                         | 117                                                        | 77                                                          | *                                                         | 116                                                    | 47                                                     | 87                                                       | 105                                                      | 103                                                      | 109                                                      |
| 308                   | 96                   | 0                    | 101                                                         | 119                                                        | 77                                                          | *                                                         | 116                                                    | 48                                                     | 86                                                       | 105                                                      | 103                                                      | 109                                                      |
| 309                   | 96                   | 22                   | 100                                                         | 117                                                        | 77                                                          | *                                                         | 117                                                    | 47                                                     | 86                                                       | 105                                                      | 102                                                      | 109                                                      |
| 310                   | 96                   | 43                   | 100                                                         | 118                                                        | 77                                                          | *                                                         | 116                                                    | 47                                                     | 87                                                       | 105                                                      | 102                                                      | 109                                                      |
| 311                   | 97                   | 4                    | 101                                                         | 118                                                        | 78                                                          | *                                                         | 115                                                    | 47                                                     | 87                                                       | 106                                                      | 102                                                      | 109                                                      |
| 312                   | 97                   | 25                   | 101                                                         | 119                                                        | 78                                                          | *                                                         | 116                                                    | 47                                                     | 87                                                       | 106                                                      | 103                                                      | 108                                                      |
| 313                   | 97                   | 46                   | 102                                                         | 120                                                        | 78                                                          | *                                                         | 116                                                    | 48                                                     | 87                                                       | 105                                                      | 103                                                      | 108                                                      |
| 314                   | 98                   | 7                    | 101                                                         | 120                                                        | 78                                                          | *                                                         | 113                                                    | 48                                                     | 85                                                       | 104                                                      | 102                                                      | 107                                                      |
| 315                   | 98                   | 28                   | 101                                                         | 121                                                        | 78                                                          | *                                                         | 113                                                    | 49                                                     | 86                                                       | 93                                                       | 93                                                       | 98                                                       |
| 316                   | 98                   | 49                   | 100                                                         | 119                                                        | 78                                                          | *                                                         | 112                                                    | 51                                                     | 73                                                       | 88                                                       | 88                                                       | 93                                                       |
| 317                   | 99                   | 10                   | 100                                                         | 117                                                        | 77                                                          | *                                                         | 109                                                    | 51                                                     | 74                                                       | 87                                                       | 85                                                       | 90                                                       |
| 318                   | 99                   | 31                   | 99                                                          | 116                                                        | 77                                                          | *                                                         | 107                                                    | 51                                                     | 75                                                       | 85                                                       | 83                                                       | 89                                                       |
| 319                   | 99                   | 52                   | 100                                                         | 114                                                        | 76                                                          | *                                                         | 106                                                    | 53                                                     | 74                                                       | 85                                                       | 83                                                       | 88                                                       |
| 320                   | 100                  | 13                   | 98                                                          | 113                                                        | 76                                                          | *                                                         | 106                                                    | 54                                                     | 75                                                       | 85                                                       | 83                                                       | 88                                                       |
| 321                   | 100                  | 34                   | 98                                                          | 111                                                        | 76                                                          | *                                                         | 105                                                    | 54                                                     | 75                                                       | 85                                                       | 83                                                       | 87                                                       |
| 322                   | 100                  | 55                   | 98                                                          | 109                                                        | 76                                                          | *                                                         | 103                                                    | 55                                                     | 74                                                       | 85                                                       | 83                                                       | 86                                                       |
| 323                   | 101                  | 16                   | 97                                                          | 108                                                        | 74                                                          | *                                                         | 102                                                    | 55                                                     | 74                                                       | 85                                                       | 83                                                       | 87                                                       |
| 324                   | 101                  | 37                   | 96                                                          | 106                                                        | 75                                                          | *                                                         | 102                                                    | 57                                                     | 74                                                       | 84                                                       | 83                                                       | 87                                                       |
| 325                   | 101                  | 58                   | 95                                                          | 104                                                        | 73                                                          | *                                                         | 101                                                    | 57                                                     | 77                                                       | 86                                                       | 83                                                       | 87                                                       |
| 326                   | 101                  | 17                   | 95                                                          | 104                                                        | 72                                                          | *                                                         | 103                                                    | 54                                                     | 84                                                       | 98                                                       | 95                                                       | 96                                                       |
| 327                   | 102                  | 41                   | 95                                                          | 104                                                        | 72                                                          | *                                                         | 106                                                    | 52                                                     | 85                                                       | 102                                                      | 99                                                       | 101                                                      |
| 328                   | 102                  | 59                   | 94                                                          | 106                                                        | 73                                                          | *                                                         | 107                                                    | 51                                                     | 86                                                       | 102                                                      | 100                                                      | 104                                                      |
| 329                   | 103                  | 23                   | 95                                                          | 106                                                        | 73                                                          | *                                                         | 109                                                    | 51                                                     | 86                                                       | 104                                                      | 100                                                      | 104                                                      |
| 330                   | 103                  | 44                   | 96                                                          | 107                                                        | 73                                                          | *                                                         | 110                                                    | 50                                                     | 85                                                       | 104                                                      | 101                                                      | 105                                                      |
| 331                   | 104                  | 5                    | 96                                                          | 110                                                        | 74                                                          | *                                                         | 110                                                    | 49                                                     | 85                                                       | 103                                                      | 101                                                      | 105                                                      |
| 332                   | 104                  | 23                   | 96                                                          | 111                                                        | 74                                                          | *                                                         | 111                                                    | 49                                                     | 87                                                       | 104                                                      | 101                                                      | 107                                                      |
| 333                   | 104                  | 48                   | 96                                                          | 112                                                        | 73                                                          | *                                                         | 112                                                    | 49                                                     | 87                                                       | 104                                                      | 102                                                      | 107                                                      |
| 334                   | 104                  | 4                    | 94                                                          | 113                                                        | 77                                                          | *                                                         | 112                                                    | 50                                                     | 88                                                       | 106                                                      | 104                                                      | 107                                                      |

| -01<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>EXCITER<br>IN90<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>EXCITER<br>OUT90<br>DEG.C | 8-08<br>ENG.2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 8-09<br>ENG.2<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPRS<br>CASE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPRS<br>CASE<br>STG.3<br>3.00<br>DEG.C | 8-13<br>ENG.2<br>COMPRS<br>CASE<br>STG.3<br>4.30<br>DEG.C | 8-14<br>ENG.2<br>COMPRS<br>CASE<br>STG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|------------------------------------------------|------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| 335                   | 105                  | 30                   | 97                                                          | 113                                                | 77                                                  | *                                                         | 112                                            | 50                                             | 67                                                        | 105                                                       | 102                                                       | 106                                                       |
| 336                   | 105                  | 51                   | 99                                                          | 113                                                | 77                                                  | *                                                         | 112                                            | 49                                             | 67                                                        | 105                                                       | 103                                                       | 107                                                       |
| 337                   | 106                  | 12                   | 98                                                          | 114                                                | 76                                                  | *                                                         | 113                                            | 49                                             | 67                                                        | 105                                                       | 102                                                       | 107                                                       |
| 338                   | 106                  | 37                   | 99                                                          | 114                                                | 75                                                  | *                                                         | 113                                            | 49                                             | 65                                                        | 103                                                       | 102                                                       | 106                                                       |
| 339                   | 106                  | 55                   | 98                                                          | 116                                                | 74                                                  | *                                                         | 113                                            | 48                                             | 64                                                        | 104                                                       | 101                                                       | 106                                                       |
| 340                   | 107                  | 16                   | 100                                                         | 116                                                | 77                                                  | *                                                         | 112                                            | 49                                             | 67                                                        | 106                                                       | 105                                                       | 106                                                       |
| 341                   | 107                  | 17                   | 100                                                         | 116                                                | 75                                                  | *                                                         | 111                                            | 50                                             | 67                                                        | 105                                                       | 102                                                       | 106                                                       |
| 342                   | 107                  | 54                   | 101                                                         | 117                                                | 77                                                  | *                                                         | 113                                            | 49                                             | 65                                                        | 104                                                       | 101                                                       | 105                                                       |
| 343                   | 108                  | 19                   | 99                                                          | 116                                                | 76                                                  | *                                                         | 113                                            | 49                                             | 87                                                        | 105                                                       | 102                                                       | 106                                                       |
| 344                   | 108                  | 41                   | 99                                                          | 116                                                | 77                                                  | *                                                         | 113                                            | 49                                             | 87                                                        | 106                                                       | 103                                                       | 107                                                       |
| 345                   | 109                  | 2                    | 101                                                         | 117                                                | 74                                                  | *                                                         | 114                                            | 49                                             | 86                                                        | 105                                                       | 102                                                       | 107                                                       |
| 346                   | 109                  | 20                   | 100                                                         | 117                                                | 74                                                  | *                                                         | 114                                            | 48                                             | 87                                                        | 106                                                       | 105                                                       | 108                                                       |
| 347                   | 109                  | 49                   | 101                                                         | 117                                                | 78                                                  | *                                                         | 112                                            | 48                                             | 85                                                        | 103                                                       | 103                                                       | 105                                                       |
| 348                   | 109                  | 3                    | 102                                                         | 118                                                | 79                                                  | *                                                         | 115                                            | 49                                             | 87                                                        | 105                                                       | 103                                                       | 107                                                       |
| 349                   | 110                  | 26                   | 101                                                         | 116                                                | 77                                                  | *                                                         | 113                                            | 49                                             | 87                                                        | 106                                                       | 104                                                       | 108                                                       |
| 350                   | 110                  | 48                   | 102                                                         | 117                                                | 79                                                  | *                                                         | 112                                            | 50                                             | 86                                                        | 104                                                       | 101                                                       | 104                                                       |
| 351                   | 111                  | 9                    | 102                                                         | 117                                                | 78                                                  | *                                                         | 113                                            | 49                                             | 85                                                        | 105                                                       | 103                                                       | 106                                                       |
| 352                   | 111                  | 30                   | 102                                                         | 118                                                | 78                                                  | *                                                         | 112                                            | 49                                             | 85                                                        | 103                                                       | 102                                                       | 104                                                       |
| 353                   | 111                  | 51                   | 102                                                         | 118                                                | 78                                                  | *                                                         | 112                                            | 50                                             | 86                                                        | 103                                                       | 102                                                       | 104                                                       |
| 354                   | 111                  | 9                    | 99                                                          | 110                                                | 78                                                  | *                                                         | 112                                            | 50                                             | 86                                                        | 104                                                       | 101                                                       | 104                                                       |
| 355                   | 112                  | 37                   | 98                                                          | 117                                                | 76                                                  | *                                                         | 110                                            | 52                                             | 77                                                        | 94                                                        | 93                                                        | 97                                                        |
| 356                   | 112                  | 32                   | 98                                                          | 116                                                | 75                                                  | *                                                         | 108                                            | 52                                             | 75                                                        | 80                                                        | 89                                                        | 94                                                        |
| 357                   | 113                  | 15                   | 97                                                          | 114                                                | 75                                                  | *                                                         | 106                                            | 53                                             | 76                                                        | 80                                                        | 87                                                        | 92                                                        |
| 358                   | 113                  | 36                   | 97                                                          | 112                                                | 76                                                  | *                                                         | 106                                            | 54                                             | 73                                                        | 86                                                        | 85                                                        | 90                                                        |
| 359                   | 113                  | 57                   | 97                                                          | 111                                                | 73                                                  | *                                                         | 108                                            | 54                                             | 70                                                        | 85                                                        | 88                                                        | 88                                                        |
| 360                   | 114                  | 18                   | 97                                                          | 109                                                | 74                                                  | *                                                         | 102                                            | 57                                             | 73                                                        | 85                                                        | 83                                                        | 87                                                        |
| 361                   | 114                  | 39                   | 97                                                          | 107                                                | 74                                                  | *                                                         | 102                                            | 55                                             | 74                                                        | 85                                                        | 85                                                        | 88                                                        |
| 362                   | 115                  | 57                   | 97                                                          | 106                                                | 73                                                  | *                                                         | 102                                            | 55                                             | 74                                                        | 85                                                        | 85                                                        | 87                                                        |
| 363                   | 115                  | 21                   | 97                                                          | 104                                                | 72                                                  | *                                                         | 101                                            | 54                                             | 73                                                        | 84                                                        | 83                                                        | 85                                                        |
| 364                   | 115                  | 47                   | 97                                                          | 102                                                | 71                                                  | *                                                         | 99                                             | 54                                             | 72                                                        | 83                                                        | 82                                                        | 85                                                        |
| 365                   | 116                  | 4                    | 93                                                          | 104                                                | 71                                                  | *                                                         | 102                                            | 56                                             | 61                                                        | 79                                                        | 79                                                        | 76                                                        |
| 366                   | 117                  | 26                   | 95                                                          | 103                                                | 74                                                  | *                                                         | 101                                            | 57                                             | 64                                                        | 64                                                        | 64                                                        | 70                                                        |
| 367                   | 117                  | 46                   | 95                                                          | 103                                                | 74                                                  | *                                                         | 100                                            | 58                                             | 53                                                        | 60                                                        | 62                                                        | 66                                                        |
| 368                   | 117                  | 22                   | 95                                                          | 101                                                | 74                                                  | *                                                         | 98                                             | 59                                             | 54                                                        | 60                                                        | 60                                                        | 64                                                        |
| 369                   | 117                  | 54                   | 95                                                          | 99                                                 | 74                                                  | *                                                         | 90                                             | 58                                             | 58                                                        | 64                                                        | 62                                                        | 64                                                        |
| 370                   | 117                  | 18                   | 90                                                          | 97                                                 | 74                                                  | *                                                         | 89                                             | 59                                             | 61                                                        | 65                                                        | 63                                                        | 65                                                        |
| 371                   | 117                  | 36                   | 90                                                          | 97                                                 | 79                                                  | *                                                         | 89                                             | 59                                             | 61                                                        | 66                                                        | 64                                                        | 66                                                        |
| 372                   | 117                  | 1                    | 90                                                          | 97                                                 | 80                                                  | *                                                         | 88                                             | 60                                             | 62                                                        | 66                                                        | 66                                                        | 67                                                        |
| 373                   | 121                  | 22                   | 90                                                          | 92                                                 | 83                                                  | *                                                         | 87                                             | 60                                             | 64                                                        | 68                                                        | 66                                                        | 68                                                        |
| 374                   | 121                  | 44                   | 90                                                          | 92                                                 | 83                                                  | *                                                         | 87                                             | 60                                             | 64                                                        | 70                                                        | 67                                                        | 68                                                        |
| 375                   | 123                  | 25                   | 90                                                          | 90                                                 | 81                                                  | *                                                         | 85                                             | 60                                             | 64                                                        | 70                                                        | 69                                                        | 68                                                        |
| 376                   | 123                  | 47                   | 90                                                          | 90                                                 | 81                                                  | *                                                         | 85                                             | 60                                             | 66                                                        | 73                                                        | 71                                                        | 70                                                        |
| 377                   | 124                  | 14                   | 90                                                          | 90                                                 | 81                                                  | *                                                         | 84                                             | 60                                             | 65                                                        | 73                                                        | 71                                                        | 71                                                        |
| 378                   | 124                  | 30                   | 90                                                          | 89                                                 | 81                                                  | *                                                         | 83                                             | 60                                             | 67                                                        | 72                                                        | 70                                                        | 71                                                        |
| 379                   | 124                  | 52                   | 90                                                          | 89                                                 | 81                                                  | *                                                         | 83                                             | 61                                             | 66                                                        | 73                                                        | 71                                                        | 71                                                        |
| 380                   | 124                  | 31                   | 87                                                          | 83                                                 | 75                                                  | *                                                         | 75                                             | 59                                             | 65                                                        | 72                                                        | 71                                                        | 71                                                        |
| 381                   | 124                  | 54                   | 87                                                          | 83                                                 | 74                                                  | *                                                         | 75                                             | 59                                             | 65                                                        | 69                                                        | 67                                                        | 67                                                        |
| 382                   | 124                  | 16                   | 87                                                          | 83                                                 | 74                                                  | *                                                         | 74                                             | 59                                             | 65                                                        | 69                                                        | 67                                                        | 67                                                        |
| 383                   | 124                  | 34                   | 87                                                          | 83                                                 | 74                                                  | *                                                         | 74                                             | 53                                             | 65                                                        | 69                                                        | 67                                                        | 67                                                        |
| 384                   | 124                  | 51                   | 87                                                          | 83                                                 | 74                                                  | *                                                         | 74                                             | 61                                             | 65                                                        | 69                                                        | 67                                                        | 68                                                        |



HR-53C, S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>TEMP<br>C/°F | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DEG.C | 8-16<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>4.00<br>DEG.C | 8-17<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>5.00<br>DEG.C | 8-18<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 8-19<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>3.00<br>DEG.C | 8-20<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>JAS SN<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C |
|---------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 79                  | 1                    | 19                   | 48                                                      | 48                                                      | 48                                                      | 48                                                      | 50                                                      | 40                                                      | 48                                                      | 40                                                       | 44                                                      | 46                                                       |
| 80                  | 2                    | 2                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 81                  | 3                    | 24                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 82                  | 4                    | 45                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 83                  | 5                    | 45                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 84                  | 6                    | 28                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 85                  | 7                    | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 86                  | 8                    | 11                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 87                  | 9                    | 32                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 88                  | 10                   | 54                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 89                  | 11                   | 15                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 90                  | 12                   | 37                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 91                  | 13                   | 50                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 92                  | 14                   | 50                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 93                  | 15                   | 41                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 94                  | 16                   | 2                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 95                  | 17                   | 21                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 96                  | 18                   | 45                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 97                  | 19                   | 27                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 98                  | 20                   | 6                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 99                  | 21                   | 4                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 100                 | 22                   | 30                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 101                 | 23                   | 52                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 102                 | 24                   | 17                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 103                 | 25                   | 14                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 104                 | 26                   | 59                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 105                 | 27                   | 14                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 106                 | 28                   | 37                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 107                 | 29                   | 54                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 108                 | 30                   | 42                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 109                 | 31                   | 2                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 110                 | 32                   | 43                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 111                 | 33                   | 23                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 112                 | 34                   | 46                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 113                 | 35                   | 46                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 114                 | 36                   | 1                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 115                 | 37                   | 3                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 116                 | 38                   | 19                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 117                 | 39                   | 44                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 118                 | 40                   | 10                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 119                 | 41                   | 3                    | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 120                 | 42                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 121                 | 43                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 122                 | 44                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 123                 | 45                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 124                 | 46                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 125                 | 47                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 126                 | 48                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 127                 | 49                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 128                 | 50                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 129                 | 51                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 130                 | 52                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 131                 | 53                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 132                 | 54                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 133                 | 55                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 134                 | 56                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 135                 | 57                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 136                 | 58                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 137                 | 59                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 138                 | 60                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 139                 | 61                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 140                 | 62                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 141                 | 63                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 142                 | 64                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 143                 | 65                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 144                 | 66                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 145                 | 67                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 146                 | 68                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 147                 | 69                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 148                 | 70                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 149                 | 71                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 150                 | 72                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 151                 | 73                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 152                 | 74                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 153                 | 75                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 154                 | 76                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 155                 | 77                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 156                 | 78                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 157                 | 79                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 158                 | 80                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 159                 | 81                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 160                 | 82                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 161                 | 83                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 162                 | 84                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 163                 | 85                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 164                 | 86                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 165                 | 87                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 166                 | 88                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 167                 | 89                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 168                 | 90                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 169                 | 91                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 170                 | 92                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 171                 | 93                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 172                 | 94                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 173                 | 95                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 174                 | 96                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 175                 | 97                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 176                 | 98                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 177                 | 99                   | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |
| 178                 | 100                  | 49                   | 49                                                      | 49                                                      | 49                                                      | 49                                                      | 50                                                      | 42                                                      | 49                                                      | 40                                                       | 44                                                      | 46                                                       |

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>7.00<br>DEG.C | 8-16<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>4.00<br>DEG.C | 8-17<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>6.00<br>DEG.C | 8-18<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>9.00<br>DEG.C | 8-19<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 5<br>3.00<br>DEG.C | 8-20<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 5<br>4.00<br>DEG.C | 8-21<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 5<br>6.00<br>DEG.C | 8-22<br>ENG. 2<br>JAS. IN<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-23<br>ENG. 2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG. 2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 64                    | 17                   | 15                   | 69                                                         | 69                                                         | 63                                                         | 65                                                         | 61                                                         | 63                                                         | 63                                                         | 165                                                        | 45                                                       | 94                                                        |
| 65                    | 17                   | 34                   | 70                                                         | 69                                                         | 64                                                         | 70                                                         | 64                                                         | 67                                                         | 68                                                         | 184                                                        | 45                                                       | 94                                                        |
| 66                    | 17                   | 58                   | 71                                                         | 71                                                         | 67                                                         | 73                                                         | 67                                                         | 70                                                         | 71                                                         | 215                                                        | 48                                                       | 98                                                        |
| 67                    | 18                   | 19                   | 72                                                         | 73                                                         | 69                                                         | 75                                                         | 69                                                         | 72                                                         | 74                                                         | 230                                                        | 48                                                       | 99                                                        |
| 68                    | 18                   | 40                   | 73                                                         | 74                                                         | 71                                                         | 78                                                         | 71                                                         | 74                                                         | 75                                                         | 250                                                        | 45                                                       | 98                                                        |
| 69                    | 18                   | 1                    | 74                                                         | 77                                                         | 77                                                         | 87                                                         | 75                                                         | 82                                                         | 84                                                         | 293                                                        | 41                                                       | 93                                                        |
| 70                    | 19                   | 22                   | 75                                                         | 80                                                         | 77                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 327                                                        | 41                                                       | 93                                                        |
| 71                    | 19                   | 43                   | 76                                                         | 83                                                         | 83                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 347                                                        | 41                                                       | 98                                                        |
| 72                    | 19                   | 2                    | 77                                                         | 84                                                         | 84                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 359                                                        | 41                                                       | 98                                                        |
| 73                    | 20                   | 25                   | 78                                                         | 85                                                         | 85                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 366                                                        | 42                                                       | 61                                                        |
| 74                    | 20                   | 47                   | 79                                                         | 86                                                         | 86                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 370                                                        | 42                                                       | 61                                                        |
| 75                    | 21                   | 8                    | 80                                                         | 87                                                         | 87                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 386                                                        | 39                                                       | 63                                                        |
| 76                    | 21                   | 28                   | 81                                                         | 88                                                         | 88                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 390                                                        | 40                                                       | 63                                                        |
| 77                    | 21                   | 49                   | 82                                                         | 89                                                         | 89                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 394                                                        | 41                                                       | 64                                                        |
| 78                    | 22                   | 13                   | 83                                                         | 90                                                         | 90                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 398                                                        | 41                                                       | 64                                                        |
| 79                    | 22                   | 34                   | 84                                                         | 91                                                         | 91                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 402                                                        | 41                                                       | 64                                                        |
| 80                    | 23                   | 55                   | 85                                                         | 92                                                         | 92                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 406                                                        | 41                                                       | 64                                                        |
| 81                    | 23                   | 16                   | 86                                                         | 93                                                         | 93                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 410                                                        | 41                                                       | 64                                                        |
| 82                    | 24                   | 37                   | 87                                                         | 94                                                         | 94                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 414                                                        | 41                                                       | 64                                                        |
| 83                    | 24                   | 58                   | 88                                                         | 95                                                         | 95                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 418                                                        | 41                                                       | 64                                                        |
| 84                    | 25                   | 19                   | 89                                                         | 96                                                         | 96                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 422                                                        | 42                                                       | 68                                                        |
| 85                    | 25                   | 40                   | 90                                                         | 97                                                         | 97                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 426                                                        | 42                                                       | 68                                                        |
| 86                    | 26                   | 1                    | 91                                                         | 98                                                         | 98                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 430                                                        | 42                                                       | 68                                                        |
| 87                    | 26                   | 22                   | 92                                                         | 99                                                         | 99                                                         | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 434                                                        | 42                                                       | 68                                                        |
| 88                    | 27                   | 43                   | 93                                                         | 100                                                        | 100                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 438                                                        | 42                                                       | 68                                                        |
| 89                    | 27                   | 4                    | 94                                                         | 101                                                        | 101                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 442                                                        | 42                                                       | 68                                                        |
| 90                    | 28                   | 25                   | 95                                                         | 102                                                        | 102                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 446                                                        | 42                                                       | 68                                                        |
| 91                    | 28                   | 46                   | 96                                                         | 103                                                        | 103                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 450                                                        | 42                                                       | 68                                                        |
| 92                    | 29                   | 7                    | 97                                                         | 104                                                        | 104                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 454                                                        | 42                                                       | 68                                                        |
| 93                    | 29                   | 28                   | 98                                                         | 105                                                        | 105                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 458                                                        | 42                                                       | 68                                                        |
| 94                    | 30                   | 49                   | 99                                                         | 106                                                        | 106                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 462                                                        | 42                                                       | 68                                                        |
| 95                    | 30                   | 1                    | 100                                                        | 107                                                        | 107                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 466                                                        | 42                                                       | 68                                                        |
| 96                    | 31                   | 22                   | 101                                                        | 108                                                        | 108                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 470                                                        | 42                                                       | 68                                                        |
| 97                    | 31                   | 43                   | 102                                                        | 109                                                        | 109                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 474                                                        | 42                                                       | 68                                                        |
| 98                    | 32                   | 4                    | 103                                                        | 110                                                        | 110                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 478                                                        | 42                                                       | 68                                                        |
| 99                    | 32                   | 25                   | 104                                                        | 111                                                        | 111                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 482                                                        | 42                                                       | 68                                                        |
| 100                   | 33                   | 46                   | 105                                                        | 112                                                        | 112                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 486                                                        | 42                                                       | 68                                                        |
| 101                   | 33                   | 7                    | 106                                                        | 113                                                        | 113                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 490                                                        | 42                                                       | 68                                                        |
| 102                   | 34                   | 28                   | 107                                                        | 114                                                        | 114                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 494                                                        | 42                                                       | 68                                                        |
| 103                   | 34                   | 49                   | 108                                                        | 115                                                        | 115                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 498                                                        | 42                                                       | 68                                                        |
| 104                   | 35                   | 1                    | 109                                                        | 116                                                        | 116                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 502                                                        | 42                                                       | 68                                                        |
| 105                   | 35                   | 22                   | 110                                                        | 117                                                        | 117                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 506                                                        | 42                                                       | 68                                                        |
| 106                   | 36                   | 43                   | 111                                                        | 118                                                        | 118                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 510                                                        | 42                                                       | 68                                                        |
| 107                   | 36                   | 4                    | 112                                                        | 119                                                        | 119                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 514                                                        | 42                                                       | 68                                                        |
| 108                   | 37                   | 25                   | 113                                                        | 120                                                        | 120                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 518                                                        | 42                                                       | 68                                                        |
| 109                   | 37                   | 46                   | 114                                                        | 121                                                        | 121                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 522                                                        | 42                                                       | 68                                                        |
| 110                   | 38                   | 7                    | 115                                                        | 122                                                        | 122                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 526                                                        | 42                                                       | 68                                                        |
| 111                   | 38                   | 28                   | 116                                                        | 123                                                        | 123                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 530                                                        | 42                                                       | 68                                                        |
| 112                   | 39                   | 49                   | 117                                                        | 124                                                        | 124                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 534                                                        | 42                                                       | 68                                                        |
| 113                   | 39                   | 1                    | 118                                                        | 125                                                        | 125                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 538                                                        | 42                                                       | 68                                                        |
| 114                   | 40                   | 22                   | 119                                                        | 126                                                        | 126                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 542                                                        | 42                                                       | 68                                                        |
| 115                   | 40                   | 43                   | 120                                                        | 127                                                        | 127                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 546                                                        | 42                                                       | 68                                                        |
| 116                   | 41                   | 4                    | 121                                                        | 128                                                        | 128                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 550                                                        | 42                                                       | 68                                                        |
| 117                   | 41                   | 25                   | 122                                                        | 129                                                        | 129                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 554                                                        | 42                                                       | 68                                                        |
| 118                   | 42                   | 46                   | 123                                                        | 130                                                        | 130                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 558                                                        | 42                                                       | 68                                                        |
| 119                   | 42                   | 7                    | 124                                                        | 131                                                        | 131                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 562                                                        | 42                                                       | 68                                                        |
| 120                   | 43                   | 28                   | 125                                                        | 132                                                        | 132                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 566                                                        | 42                                                       | 68                                                        |
| 121                   | 43                   | 49                   | 126                                                        | 133                                                        | 133                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 570                                                        | 42                                                       | 68                                                        |
| 122                   | 44                   | 1                    | 127                                                        | 134                                                        | 134                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 574                                                        | 42                                                       | 68                                                        |
| 123                   | 44                   | 22                   | 128                                                        | 135                                                        | 135                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 578                                                        | 42                                                       | 68                                                        |
| 124                   | 45                   | 43                   | 129                                                        | 136                                                        | 136                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 582                                                        | 42                                                       | 68                                                        |
| 125                   | 45                   | 4                    | 130                                                        | 137                                                        | 137                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 586                                                        | 42                                                       | 68                                                        |
| 126                   | 46                   | 25                   | 131                                                        | 138                                                        | 138                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 590                                                        | 42                                                       | 68                                                        |
| 127                   | 46                   | 46                   | 132                                                        | 139                                                        | 139                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 594                                                        | 42                                                       | 68                                                        |
| 128                   | 47                   | 7                    | 133                                                        | 140                                                        | 140                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 598                                                        | 42                                                       | 68                                                        |
| 129                   | 47                   | 28                   | 134                                                        | 141                                                        | 141                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 602                                                        | 42                                                       | 68                                                        |
| 130                   | 48                   | 49                   | 135                                                        | 142                                                        | 142                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 606                                                        | 42                                                       | 68                                                        |
| 131                   | 48                   | 1                    | 136                                                        | 143                                                        | 143                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 610                                                        | 42                                                       | 68                                                        |
| 132                   | 49                   | 22                   | 137                                                        | 144                                                        | 144                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 614                                                        | 42                                                       | 68                                                        |
| 133                   | 49                   | 43                   | 138                                                        | 145                                                        | 145                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 618                                                        | 42                                                       | 68                                                        |
| 134                   | 50                   | 4                    | 139                                                        | 146                                                        | 146                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 622                                                        | 42                                                       | 68                                                        |
| 135                   | 50                   | 25                   | 140                                                        | 147                                                        | 147                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 626                                                        | 42                                                       | 68                                                        |
| 136                   | 51                   | 46                   | 141                                                        | 148                                                        | 148                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 630                                                        | 42                                                       | 68                                                        |
| 137                   | 51                   | 7                    | 142                                                        | 149                                                        | 149                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 634                                                        | 42                                                       | 68                                                        |
| 138                   | 52                   | 28                   | 143                                                        | 150                                                        | 150                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 638                                                        | 42                                                       | 68                                                        |
| 139                   | 52                   | 49                   | 144                                                        | 151                                                        | 151                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 642                                                        | 42                                                       | 68                                                        |
| 140                   | 53                   | 1                    | 145                                                        | 152                                                        | 152                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 646                                                        | 42                                                       | 68                                                        |
| 141                   | 53                   | 22                   | 146                                                        | 153                                                        | 153                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 650                                                        | 42                                                       | 68                                                        |
| 142                   | 54                   | 43                   | 147                                                        | 154                                                        | 154                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 654                                                        | 42                                                       | 68                                                        |
| 143                   | 54                   | 4                    | 148                                                        | 155                                                        | 155                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 658                                                        | 42                                                       | 68                                                        |
| 144                   | 55                   | 25                   | 149                                                        | 156                                                        | 156                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 662                                                        | 42                                                       | 68                                                        |
| 145                   | 55                   | 46                   | 150                                                        | 157                                                        | 157                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 666                                                        | 42                                                       | 68                                                        |
| 146                   | 56                   | 7                    | 151                                                        | 158                                                        | 158                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 670                                                        | 42                                                       | 68                                                        |
| 147                   | 56                   | 28                   | 152                                                        | 159                                                        | 159                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 674                                                        | 42                                                       | 68                                                        |
| 148                   | 57                   | 49                   | 153                                                        | 160                                                        | 160                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 678                                                        | 42                                                       | 68                                                        |
| 149                   | 57                   | 1                    | 154                                                        | 161                                                        | 161                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 682                                                        | 42                                                       | 68                                                        |
| 150                   | 58                   | 22                   | 155                                                        | 162                                                        | 162                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 686                                                        | 42                                                       | 68                                                        |
| 151                   | 58                   | 43                   | 156                                                        | 163                                                        | 163                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 690                                                        | 42                                                       | 68                                                        |
| 152                   | 59                   | 4                    | 157                                                        | 164                                                        | 164                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 694                                                        | 42                                                       | 68                                                        |
| 153                   | 59                   | 25                   | 158                                                        | 165                                                        | 165                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 698                                                        | 42                                                       | 68                                                        |
| 154                   | 59                   | 46                   | 159                                                        | 166                                                        | 166                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 702                                                        | 42                                                       | 68                                                        |
| 155                   | 60                   | 7                    | 160                                                        | 167                                                        | 167                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 706                                                        | 42                                                       | 68                                                        |
| 156                   | 60                   | 28                   | 161                                                        | 168                                                        | 168                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 710                                                        | 42                                                       | 68                                                        |
| 157                   | 61                   | 49                   | 162                                                        | 169                                                        | 169                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 714                                                        | 42                                                       | 68                                                        |
| 158                   | 61                   | 1                    | 163                                                        | 170                                                        | 170                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 718                                                        | 42                                                       | 68                                                        |
| 159                   | 62                   | 22                   | 164                                                        | 171                                                        | 171                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 722                                                        | 42                                                       | 68                                                        |
| 160                   | 62                   | 43                   | 165                                                        | 172                                                        | 172                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 726                                                        | 42                                                       | 68                                                        |
| 161                   | 63                   | 4                    | 166                                                        | 173                                                        | 173                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 730                                                        | 42                                                       | 68                                                        |
| 162                   | 63                   | 25                   | 167                                                        | 174                                                        | 174                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 734                                                        | 42                                                       | 68                                                        |
| 163                   | 64                   | 46                   | 168                                                        | 175                                                        | 175                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 738                                                        | 42                                                       | 68                                                        |
| 164                   | 64                   | 7                    | 169                                                        | 176                                                        | 176                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 742                                                        | 42                                                       | 68                                                        |
| 165                   | 65                   | 28                   | 170                                                        | 177                                                        | 177                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 746                                                        | 42                                                       | 68                                                        |
| 166                   | 65                   | 49                   | 171                                                        | 178                                                        | 178                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 750                                                        | 42                                                       | 68                                                        |
| 167                   | 66                   | 1                    | 172                                                        | 179                                                        | 179                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 754                                                        | 42                                                       | 68                                                        |
| 168                   | 66                   | 22                   | 173                                                        | 180                                                        | 180                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 758                                                        | 42                                                       | 68                                                        |
| 169                   | 67                   | 43                   | 174                                                        | 181                                                        | 181                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 762                                                        | 42                                                       | 68                                                        |
| 170                   | 67                   | 4                    | 175                                                        | 182                                                        | 182                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 766                                                        | 42                                                       | 68                                                        |
| 171                   | 68                   | 25                   | 176                                                        | 183                                                        | 183                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 770                                                        | 42                                                       | 68                                                        |
| 172                   | 68                   | 46                   | 177                                                        | 184                                                        | 184                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 774                                                        | 42                                                       | 68                                                        |
| 173                   | 69                   | 7                    | 178                                                        | 185                                                        | 185                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 778                                                        | 42                                                       | 68                                                        |
| 174                   | 69                   | 28                   | 179                                                        | 186                                                        | 186                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 782                                                        | 42                                                       | 68                                                        |
| 175                   | 69                   | 49                   | 180                                                        | 187                                                        | 187                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 786                                                        | 42                                                       | 68                                                        |
| 176                   | 70                   | 1                    | 181                                                        | 188                                                        | 188                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 790                                                        | 42                                                       | 68                                                        |
| 177                   | 70                   | 22                   | 182                                                        | 189                                                        | 189                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 794                                                        | 42                                                       | 68                                                        |
| 178                   | 71                   | 43                   | 183                                                        | 190                                                        | 190                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 798                                                        | 42                                                       | 68                                                        |
| 179                   | 71                   | 4                    | 184                                                        | 191                                                        | 191                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 802                                                        | 42                                                       | 68                                                        |
| 180                   | 72                   | 25                   | 185                                                        | 192                                                        | 192                                                        | 104                                                        | 85                                                         | 96                                                         | 101                                                        | 806                                                        | 42                                                       | 68                                                        |
| 181                   |                      |                      |                                                            |                                                            |                                                            |                                                            |                                                            |                                                            |                                                            |                                                            |                                                          |                                                           |



| -01<br>SWEEP<br>COUNT | A-02<br>TIME<br>MTN. | A-03<br>TIME<br>SEC. | A-15<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>5.00<br>DEG.C | B-16<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>5.35<br>DEG.C | A-17<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>6.00<br>DEG.C | A-18<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>9.00<br>DEG.C | A-19<br>ENG.2<br>COMPRS<br>CSE<br>SIG.5<br>1.00<br>DEG.C | A-20<br>ENG.2<br>COMPRS<br>CSE<br>SIG.5<br>4.30<br>DEG.C | A-21<br>ENG.2<br>COMPRS<br>CSE<br>SIG.5<br>F.00<br>DEG.C | B-22<br>ENG.2<br>GAS GN<br>TUEB<br>4.80<br>DEG.C | B-23<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>DEG.C | B-24<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| 135                   | 35                   | 31                   | 145                                                      | 145                                                      | 124                                                      | 179                                                      | 150                                                      | 162                                                      | 164                                                      | 484                                              | 58                                               | 92                                                |
| 136                   | 35                   | 31                   | 146                                                      | 146                                                      | 124                                                      | 179                                                      | 151                                                      | 163                                                      | 164                                                      | 485                                              | 58                                               | 92                                                |
| 137                   | 35                   | 31                   | 147                                                      | 147                                                      | 124                                                      | 179                                                      | 152                                                      | 163                                                      | 164                                                      | 486                                              | 58                                               | 92                                                |
| 138                   | 35                   | 31                   | 148                                                      | 148                                                      | 124                                                      | 179                                                      | 153                                                      | 163                                                      | 165                                                      | 486                                              | 55                                               | 92                                                |
| 139                   | 35                   | 31                   | 149                                                      | 149                                                      | 124                                                      | 179                                                      | 154                                                      | 166                                                      | 165                                                      | 487                                              | 44                                               | 84                                                |
| 140                   | 35                   | 31                   | 150                                                      | 150                                                      | 124                                                      | 179                                                      | 155                                                      | 166                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 141                   | 35                   | 31                   | 151                                                      | 151                                                      | 124                                                      | 179                                                      | 156                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 142                   | 35                   | 31                   | 152                                                      | 152                                                      | 124                                                      | 179                                                      | 157                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 143                   | 35                   | 31                   | 153                                                      | 153                                                      | 124                                                      | 179                                                      | 158                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 144                   | 35                   | 31                   | 154                                                      | 154                                                      | 124                                                      | 179                                                      | 159                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 145                   | 35                   | 31                   | 155                                                      | 155                                                      | 124                                                      | 179                                                      | 160                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 146                   | 35                   | 31                   | 156                                                      | 156                                                      | 124                                                      | 179                                                      | 161                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 147                   | 35                   | 31                   | 157                                                      | 157                                                      | 124                                                      | 179                                                      | 162                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 148                   | 35                   | 31                   | 158                                                      | 158                                                      | 124                                                      | 179                                                      | 163                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 149                   | 35                   | 31                   | 159                                                      | 159                                                      | 124                                                      | 179                                                      | 164                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 150                   | 35                   | 31                   | 160                                                      | 160                                                      | 124                                                      | 179                                                      | 165                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 151                   | 35                   | 31                   | 161                                                      | 161                                                      | 124                                                      | 179                                                      | 166                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 152                   | 35                   | 31                   | 162                                                      | 162                                                      | 124                                                      | 179                                                      | 167                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 153                   | 35                   | 31                   | 163                                                      | 163                                                      | 124                                                      | 179                                                      | 168                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 154                   | 35                   | 31                   | 164                                                      | 164                                                      | 124                                                      | 179                                                      | 169                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 155                   | 35                   | 31                   | 165                                                      | 165                                                      | 124                                                      | 179                                                      | 170                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 156                   | 35                   | 31                   | 166                                                      | 166                                                      | 124                                                      | 179                                                      | 171                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 157                   | 35                   | 31                   | 167                                                      | 167                                                      | 124                                                      | 179                                                      | 172                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 158                   | 35                   | 31                   | 168                                                      | 168                                                      | 124                                                      | 179                                                      | 173                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 159                   | 35                   | 31                   | 169                                                      | 169                                                      | 124                                                      | 179                                                      | 174                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 160                   | 35                   | 31                   | 170                                                      | 170                                                      | 124                                                      | 179                                                      | 175                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 161                   | 35                   | 31                   | 171                                                      | 171                                                      | 124                                                      | 179                                                      | 176                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 162                   | 35                   | 31                   | 172                                                      | 172                                                      | 124                                                      | 179                                                      | 177                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 163                   | 35                   | 31                   | 173                                                      | 173                                                      | 124                                                      | 179                                                      | 178                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 164                   | 35                   | 31                   | 174                                                      | 174                                                      | 124                                                      | 179                                                      | 179                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 165                   | 35                   | 31                   | 175                                                      | 175                                                      | 124                                                      | 179                                                      | 180                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 166                   | 35                   | 31                   | 176                                                      | 176                                                      | 124                                                      | 179                                                      | 181                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 167                   | 35                   | 31                   | 177                                                      | 177                                                      | 124                                                      | 179                                                      | 182                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 168                   | 35                   | 31                   | 178                                                      | 178                                                      | 124                                                      | 179                                                      | 183                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 169                   | 35                   | 31                   | 179                                                      | 179                                                      | 124                                                      | 179                                                      | 184                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 170                   | 35                   | 31                   | 180                                                      | 180                                                      | 124                                                      | 179                                                      | 185                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 171                   | 35                   | 31                   | 181                                                      | 181                                                      | 124                                                      | 179                                                      | 186                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 172                   | 35                   | 31                   | 182                                                      | 182                                                      | 124                                                      | 179                                                      | 187                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 173                   | 35                   | 31                   | 183                                                      | 183                                                      | 124                                                      | 179                                                      | 188                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 174                   | 35                   | 31                   | 184                                                      | 184                                                      | 124                                                      | 179                                                      | 189                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 175                   | 35                   | 31                   | 185                                                      | 185                                                      | 124                                                      | 179                                                      | 190                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 176                   | 35                   | 31                   | 186                                                      | 186                                                      | 124                                                      | 179                                                      | 191                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 177                   | 35                   | 31                   | 187                                                      | 187                                                      | 124                                                      | 179                                                      | 192                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 178                   | 35                   | 31                   | 188                                                      | 188                                                      | 124                                                      | 179                                                      | 193                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 179                   | 35                   | 31                   | 189                                                      | 189                                                      | 124                                                      | 179                                                      | 194                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 180                   | 35                   | 31                   | 190                                                      | 190                                                      | 124                                                      | 179                                                      | 195                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 181                   | 35                   | 31                   | 191                                                      | 191                                                      | 124                                                      | 179                                                      | 196                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 182                   | 35                   | 31                   | 192                                                      | 192                                                      | 124                                                      | 179                                                      | 197                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 183                   | 35                   | 31                   | 193                                                      | 193                                                      | 124                                                      | 179                                                      | 198                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 184                   | 35                   | 31                   | 194                                                      | 194                                                      | 124                                                      | 179                                                      | 199                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |
| 185                   | 35                   | 31                   | 195                                                      | 195                                                      | 124                                                      | 179                                                      | 200                                                      | 167                                                      | 166                                                      | 488                                              | 43                                               | 84                                                |

| -01<br>SHEET<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>3.00<br>DEG.C | 8-16<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>4.30<br>DEG.C | 8-17<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>5.00<br>DEG.C | 8-18<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>9.00<br>DEG.C | 8-19<br>ENG.2<br>COMPR.<br>CSE<br>STG.5<br>3.00<br>DEG.C | 8-20<br>ENG.2<br>COMPR.<br>CSE<br>STG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPR.<br>CSE<br>STG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS GN<br>TURB<br>AIR<br>4.30<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 185                   | 52                   | 46                   | 130                                                      | 133                                                      | 125                                                      | 169                                                      | 136                                                      | 155                                                      | 160                                                      | 475                                                     | 39                                                      | 80                                                       |
| 186                   | 53                   | 7                    | 129                                                      | 133                                                      | 123                                                      | 170                                                      | 135                                                      | 156                                                      | 161                                                      | 476                                                     | 39                                                      | 80                                                       |
| 187                   | 53                   | 28                   | 129                                                      | 132                                                      | 125                                                      | 169                                                      | 136                                                      | 155                                                      | 162                                                      | 477                                                     | 39                                                      | 81                                                       |
| 188                   | 53                   | 49                   | 129                                                      | 132                                                      | 125                                                      | 169                                                      | 133                                                      | 155                                                      | 162                                                      | 477                                                     | 39                                                      | 78                                                       |
| 189                   | 54                   | 10                   | 129                                                      | 132                                                      | 126                                                      | 170                                                      | 134                                                      | 157                                                      | 162                                                      | 477                                                     | 40                                                      | 80                                                       |
| 190                   | 54                   | 32                   | 129                                                      | 132                                                      | 126                                                      | 170                                                      | 135                                                      | 155                                                      | 161                                                      | 475                                                     | 40                                                      | 80                                                       |
| 191                   | 54                   | 53                   | 129                                                      | 133                                                      | 126                                                      | 170                                                      | 135                                                      | 155                                                      | 161                                                      | 472                                                     | 39                                                      | 80                                                       |
| 192                   | 55                   | 14                   | 129                                                      | 133                                                      | 127                                                      | 170                                                      | 132                                                      | 155                                                      | 161                                                      | 475                                                     | 39                                                      | 80                                                       |
| 193                   | 55                   | 35                   | 130                                                      | 132                                                      | 126                                                      | 170                                                      | 133                                                      | 155                                                      | 160                                                      | 472                                                     | 39                                                      | 78                                                       |
| 194                   | 55                   | 56                   | 129                                                      | 133                                                      | 127                                                      | 170                                                      | 134                                                      | 155                                                      | 160                                                      | 476                                                     | 39                                                      | 81                                                       |
| 195                   | 56                   | 17                   | 129                                                      | 133                                                      | 127                                                      | 169                                                      | 136                                                      | 155                                                      | 162                                                      | 477                                                     | 39                                                      | 80                                                       |
| 196                   | 56                   | 38                   | 129                                                      | 133                                                      | 128                                                      | 169                                                      | 134                                                      | 155                                                      | 161                                                      | 476                                                     | 40                                                      | 80                                                       |
| 197                   | 56                   | 59                   | 128                                                      | 132                                                      | 127                                                      | 169                                                      | 132                                                      | 155                                                      | 161                                                      | 478                                                     | 39                                                      | 79                                                       |
| 198                   | 57                   | *                    | 127                                                      | 130                                                      | 125                                                      | 167                                                      | 135                                                      | 153                                                      | 159                                                      | 462                                                     | 40                                                      | 78                                                       |
| 199                   | 57                   | 41                   | 126                                                      | 128                                                      | 122                                                      | 163                                                      | 138                                                      | 150                                                      | 157                                                      | 448                                                     | 40                                                      | 78                                                       |
| 200                   | 58                   | 2                    | 114                                                      | 120                                                      | 115                                                      | 158                                                      | 131                                                      | 145                                                      | 152                                                      | 431                                                     | 40                                                      | 78                                                       |
| 201                   | 58                   | 23                   | 106                                                      | 118                                                      | 109                                                      | 147                                                      | 124                                                      | 134                                                      | 143                                                      | 404                                                     | 43                                                      | 77                                                       |
| 202                   | 58                   | 44                   | 101                                                      | 107                                                      | 103                                                      | 138                                                      | 117                                                      | 126                                                      | 135                                                      | 390                                                     | 42                                                      | 77                                                       |
| 203                   | 59                   | 3                    | 99                                                       | 102                                                      | 100                                                      | 131                                                      | 109                                                      | 117                                                      | 129                                                      | 377                                                     | 41                                                      | 74                                                       |
| 204                   | 59                   | 26                   | 96                                                       | 99                                                       | 98                                                       | 126                                                      | 103                                                      | 113                                                      | 124                                                      | 365                                                     | 40                                                      | 74                                                       |
| 205                   | 59                   | 45                   | 95                                                       | 98                                                       | 97                                                       | 122                                                      | 98                                                       | 110                                                      | 121                                                      | 358                                                     | 41                                                      | 74                                                       |
| 206                   | 60                   | 8                    | 95                                                       | 98                                                       | 97                                                       | 120                                                      | 98                                                       | 109                                                      | 120                                                      | 354                                                     | 46                                                      | 75                                                       |
| 207                   | 60                   | 30                   | 116                                                      | 113                                                      | 102                                                      | 124                                                      | 107                                                      | 117                                                      | 124                                                      | 387                                                     | 42                                                      | 75                                                       |
| 208                   | 60                   | 51                   | 125                                                      | 123                                                      | 113                                                      | 142                                                      | 115                                                      | 130                                                      | 124                                                      | 430                                                     | 39                                                      | 76                                                       |
| 209                   | 61                   | 12                   | 127                                                      | 129                                                      | 116                                                      | 155                                                      | 122                                                      | 141                                                      | 145                                                      | 452                                                     | 40                                                      | 76                                                       |
| 210                   | 61                   | 33                   | 129                                                      | 130                                                      | 119                                                      | 161                                                      | 127                                                      | 147                                                      | 152                                                      | 457                                                     | 39                                                      | 77                                                       |
| 211                   | 61                   | 54                   | 127                                                      | 130                                                      | 122                                                      | 165                                                      | 128                                                      | 150                                                      | 155                                                      | 460                                                     | 39                                                      | 76                                                       |
| 212                   | 62                   | 15                   | 127                                                      | 131                                                      | 122                                                      | 166                                                      | 130                                                      | 152                                                      | 157                                                      | 462                                                     | 39                                                      | 76                                                       |
| 213                   | 62                   | 36                   | 127                                                      | 130                                                      | 122                                                      | 166                                                      | 130                                                      | 152                                                      | 156                                                      | 464                                                     | 39                                                      | 77                                                       |
| 214                   | 62                   | 57                   | 129                                                      | 131                                                      | 124                                                      | 167                                                      | 134                                                      | 154                                                      | 159                                                      | 465                                                     | 39                                                      | 77                                                       |
| 215                   | 63                   | 18                   | 129                                                      | 132                                                      | 124                                                      | 168                                                      | 135                                                      | 155                                                      | 158                                                      | 467                                                     | 40                                                      | 78                                                       |
| 216                   | 63                   | 39                   | 129                                                      | 132                                                      | 125                                                      | 168                                                      | 135                                                      | 155                                                      | 161                                                      | 470                                                     | 39                                                      | 78                                                       |
| 217                   | 64                   | 1                    | 129                                                      | 132                                                      | 126                                                      | 169                                                      | 134                                                      | 154                                                      | 160                                                      | 471                                                     | 40                                                      | 79                                                       |
| 218                   | 64                   | 22                   | 128                                                      | 133                                                      | 126                                                      | 168                                                      | 134                                                      | 155                                                      | 160                                                      | 471                                                     | 39                                                      | 79                                                       |
| 219                   | 64                   | 43                   | 129                                                      | 133                                                      | 126                                                      | 168                                                      | 136                                                      | 155                                                      | 160                                                      | 472                                                     | 39                                                      | 80                                                       |
| 220                   | 64                   | *                    | 129                                                      | 133                                                      | 126                                                      | 168                                                      | 135                                                      | 155                                                      | 161                                                      | 471                                                     | 39                                                      | 79                                                       |
| 221                   | 65                   | 25                   | 129                                                      | 132                                                      | 126                                                      | 168                                                      | 135                                                      | 155                                                      | 161                                                      | 472                                                     | 39                                                      | 78                                                       |
| 222                   | 65                   | 46                   | 129                                                      | 132                                                      | 126                                                      | 169                                                      | 134                                                      | 155                                                      | 161                                                      | 471                                                     | 39                                                      | 79                                                       |
| 223                   | 66                   | 7                    | 129                                                      | 132                                                      | 126                                                      | 168                                                      | 137                                                      | 155                                                      | 161                                                      | 472                                                     | 39                                                      | 79                                                       |
| 224                   | 66                   | 28                   | 129                                                      | 132                                                      | 126                                                      | 168                                                      | 136                                                      | 155                                                      | 160                                                      | 472                                                     | 39                                                      | 78                                                       |
| 225                   | 66                   | 49                   | 129                                                      | 133                                                      | 126                                                      | 168                                                      | 135                                                      | 155                                                      | 159                                                      | 471                                                     | 39                                                      | 78                                                       |
| 226                   | 67                   | 11                   | 127                                                      | 133                                                      | 126                                                      | 169                                                      | 134                                                      | 155                                                      | 160                                                      | 472                                                     | 39                                                      | 80                                                       |
| 227                   | 67                   | 32                   | 129                                                      | 133                                                      | 125                                                      | 169                                                      | 133                                                      | 154                                                      | 161                                                      | 473                                                     | 39                                                      | 78                                                       |
| 228                   | 67                   | 53                   | 128                                                      | 131                                                      | 125                                                      | 169                                                      | 133                                                      | 154                                                      | 160                                                      | 470                                                     | 39                                                      | 79                                                       |
| 229                   | 68                   | 14                   | 129                                                      | 132                                                      | 126                                                      | 169                                                      | 135                                                      | 155                                                      | 160                                                      | 472                                                     | 39                                                      | 79                                                       |
| 230                   | 68                   | 35                   | 129                                                      | 132                                                      | 126                                                      | 167                                                      | 135                                                      | 154                                                      | 159                                                      | 470                                                     | 41                                                      | 78                                                       |
| 231                   | 68                   | 56                   | 129                                                      | 132                                                      | 124                                                      | 168                                                      | 136                                                      | 154                                                      | 161                                                      | 469                                                     | 39                                                      | 80                                                       |
| 232                   | 69                   | 15                   | 129                                                      | 131                                                      | 125                                                      | 167                                                      | 133                                                      | 153                                                      | 159                                                      | 469                                                     | 41                                                      | 79                                                       |
| 233                   | 69                   | 38                   | 123                                                      | 126                                                      | 117                                                      | 163                                                      | 136                                                      | 142                                                      | 154                                                      | 463                                                     | 41                                                      | 76                                                       |
| 234                   | 69                   | 59                   | 119                                                      | 117                                                      | 104                                                      | 156                                                      | 101                                                      | 133                                                      | 150                                                      | 449                                                     | 39                                                      | 73                                                       |

| -01<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-15<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>3.00<br>DEG.C | 0-16<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>4.30<br>DEG.C | 0-17<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>6.00<br>DEG.C | 0-18<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>9.00<br>DEG.C | 0-19<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>3.00<br>DEG.C | 0-20<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>4.30<br>DEG.C | 0-21<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>6.00<br>DEG.C | 0-22<br>ENG.2<br>GAS GN<br>TURB<br>DASE<br>4.30<br>DEG.C | 0-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 0-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 235                   | 70                   | 20                   | 114                                                      | 110                                                      | 89                                                       | 146                                                      | 97                                                       | 125                                                      | 140                                                      | 436                                                      | 40                                                      | 71                                                       |
| 236                   | 70                   | 41                   | 109                                                      | 103                                                      | 79                                                       | 138                                                      | 93                                                       | 114                                                      | 131                                                      | 418                                                      | 38                                                      | 71                                                       |
| 237                   | 71                   | 2                    | 108                                                      | 101                                                      | 70                                                       | 133                                                      | 87                                                       | 114                                                      | 127                                                      | 413                                                      | 40                                                      | 70                                                       |
| 238                   | 71                   | 23                   | 106                                                      | 99                                                       | 76                                                       | 128                                                      | 84                                                       | 111                                                      | 123                                                      | 409                                                      | 39                                                      | 69                                                       |
| 239                   | 71                   | 44                   | 106                                                      | 98                                                       | 76                                                       | 126                                                      | 80                                                       | 109                                                      | 121                                                      | 404                                                      | 40                                                      | 71                                                       |
| 240                   | 71                   | 7                    | 106                                                      | 100                                                      | 61                                                       | 130                                                      | 62                                                       | 108                                                      | 121                                                      | 401                                                      | 39                                                      | 70                                                       |
| 241                   | 72                   | 26                   | 112                                                      | 106                                                      | 93                                                       | 139                                                      | 87                                                       | 113                                                      | 126                                                      | 415                                                      | 39                                                      | 71                                                       |
| 242                   | 72                   | 47                   | 109                                                      | 103                                                      | 64                                                       | 135                                                      | 62                                                       | 113                                                      | 127                                                      | 408                                                      | 38                                                      | 68                                                       |
| 243                   | 73                   | 8                    | 98                                                       | 96                                                       | 80                                                       | 132                                                      | 83                                                       | 106                                                      | 122                                                      | 377                                                      | 39                                                      | 69                                                       |
| 244                   | 73                   | 29                   | 101                                                      | 96                                                       | 76                                                       | 126                                                      | 79                                                       | 103                                                      | 118                                                      | 383                                                      | 39                                                      | 71                                                       |
| 245                   | 73                   | 50                   | 110                                                      | 104                                                      | 85                                                       | 133                                                      | 90                                                       | 110                                                      | 122                                                      | 399                                                      | 39                                                      | 72                                                       |
| 246                   | 74                   | 9                    | 121                                                      | 117                                                      | 96                                                       | 145                                                      | 103                                                      | 123                                                      | 131                                                      | 430                                                      | 39                                                      | 73                                                       |
| 247                   | 74                   | 30                   | 126                                                      | 124                                                      | 107                                                      | 155                                                      | 116                                                      | 137                                                      | 142                                                      | 448                                                      | 39                                                      | 74                                                       |
| 248                   | 74                   | 54                   | 126                                                      | 127                                                      | 113                                                      | 161                                                      | 124                                                      | 145                                                      | 151                                                      | 454                                                      | 39                                                      | 75                                                       |
| 249                   | 75                   | 15                   | 128                                                      | 129                                                      | 117                                                      | 165                                                      | 124                                                      | 150                                                      | 155                                                      | 460                                                      | 39                                                      | 76                                                       |
| 250                   | 75                   | 36                   | 128                                                      | 129                                                      | 119                                                      | 166                                                      | 128                                                      | 151                                                      | 156                                                      | 462                                                      | 39                                                      | 77                                                       |
| 251                   | 76                   | 54                   | 131                                                      | 131                                                      | 121                                                      | 167                                                      | 130                                                      | 152                                                      | 158                                                      | 463                                                      | 40                                                      | 78                                                       |
| 252                   | 76                   | 10                   | 132                                                      | 130                                                      | 121                                                      | 167                                                      | 130                                                      | 151                                                      | 157                                                      | 463                                                      | 40                                                      | 78                                                       |
| 253                   | 76                   | 39                   | 132                                                      | 132                                                      | 122                                                      | 167                                                      | 131                                                      | 151                                                      | 157                                                      | 465                                                      | 40                                                      | 78                                                       |
| 254                   | 77                   | 0                    | 132                                                      | 132                                                      | 124                                                      | 167                                                      | 132                                                      | 152                                                      | 158                                                      | 465                                                      | 40                                                      | 78                                                       |
| 255                   | 77                   | 21                   | 132                                                      | 132                                                      | 125                                                      | 168                                                      | 130                                                      | 153                                                      | 159                                                      | 465                                                      | 40                                                      | 78                                                       |
| 256                   | 77                   | 42                   | 132                                                      | 132                                                      | 124                                                      | 167                                                      | 133                                                      | 154                                                      | 159                                                      | 468                                                      | 40                                                      | 78                                                       |
| 257                   | 78                   | 1                    | 133                                                      | 132                                                      | 124                                                      | 167                                                      | 134                                                      | 153                                                      | 160                                                      | 469                                                      | 40                                                      | 79                                                       |
| 258                   | 78                   | 25                   | 132                                                      | 132                                                      | 124                                                      | 167                                                      | 131                                                      | 152                                                      | 159                                                      | 468                                                      | 39                                                      | 79                                                       |
| 259                   | 78                   | 46                   | 132                                                      | 132                                                      | 124                                                      | 168                                                      | 131                                                      | 150                                                      | 153                                                      | 469                                                      | 39                                                      | 79                                                       |
| 260                   | 79                   | 4                    | 132                                                      | 132                                                      | 125                                                      | 168                                                      | 129                                                      | 153                                                      | 160                                                      | 469                                                      | 41                                                      | 79                                                       |
| 261                   | 79                   | 20                   | 132                                                      | 133                                                      | 125                                                      | 168                                                      | 126                                                      | 151                                                      | 158                                                      | 469                                                      | 39                                                      | 79                                                       |
| 262                   | 79                   | 49                   | 132                                                      | 132                                                      | 125                                                      | 168                                                      | 129                                                      | 152                                                      | 158                                                      | 468                                                      | 40                                                      | 79                                                       |
| 263                   | 80                   | 10                   | 132                                                      | 133                                                      | 125                                                      | 168                                                      | 130                                                      | 152                                                      | 160                                                      | 472                                                      | 39                                                      | 79                                                       |
| 264                   | 80                   | 32                   | 132                                                      | 132                                                      | 126                                                      | 167                                                      | 132                                                      | 154                                                      | 161                                                      | 472                                                      | 40                                                      | 79                                                       |
| 265                   | 80                   | 52                   | 132                                                      | 132                                                      | 126                                                      | 167                                                      | 133                                                      | 153                                                      | 160                                                      | 468                                                      | 39                                                      | 79                                                       |
| 266                   | 91                   | 14                   | 131                                                      | 131                                                      | 125                                                      | 167                                                      | 135                                                      | 155                                                      | 163                                                      | 470                                                      | 41                                                      | 79                                                       |
| 267                   | 91                   | 29                   | 132                                                      | 132                                                      | 124                                                      | 167                                                      | 141                                                      | 156                                                      | 159                                                      | 466                                                      | 39                                                      | 80                                                       |
| 268                   | 92                   | 56                   | 132                                                      | 132                                                      | 123                                                      | 165                                                      | 143                                                      | 155                                                      | 158                                                      | 458                                                      | 41                                                      | 78                                                       |
| 269                   | 92                   | 17                   | 132                                                      | 132                                                      | 123                                                      | 162                                                      | 144                                                      | 156                                                      | 157                                                      | 464                                                      | 41                                                      | 78                                                       |
| 270                   | 92                   | 38                   | 132                                                      | 132                                                      | 123                                                      | 162                                                      | 144                                                      | 156                                                      | 157                                                      | 464                                                      | 41                                                      | 78                                                       |
| 271                   | 92                   | 59                   | 131                                                      | 131                                                      | 121                                                      | 166                                                      | 134                                                      | 145                                                      | 152                                                      | 421                                                      | 41                                                      | 79                                                       |
| 272                   | 92                   | 59                   | 131                                                      | 131                                                      | 121                                                      | 166                                                      | 134                                                      | 145                                                      | 152                                                      | 421                                                      | 41                                                      | 79                                                       |
| 273                   | 93                   | 20                   | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 274                   | 93                   | 41                   | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 275                   | 93                   | 2                    | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 276                   | 93                   | 23                   | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 277                   | 93                   | 44                   | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 278                   | 93                   | 65                   | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 279                   | 93                   | 86                   | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 280                   | 93                   | 107                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 281                   | 93                   | 128                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 282                   | 93                   | 149                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 283                   | 93                   | 170                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 284                   | 93                   | 191                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 285                   | 93                   | 212                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 286                   | 93                   | 233                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 287                   | 93                   | 254                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 288                   | 93                   | 275                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 289                   | 93                   | 296                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 290                   | 93                   | 317                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 291                   | 93                   | 338                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 292                   | 93                   | 359                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 293                   | 93                   | 380                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 294                   | 93                   | 401                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 295                   | 93                   | 422                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 296                   | 93                   | 443                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 297                   | 93                   | 464                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 298                   | 93                   | 485                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 299                   | 93                   | 506                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 300                   | 93                   | 527                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 301                   | 93                   | 548                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 302                   | 93                   | 569                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 303                   | 93                   | 590                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 304                   | 93                   | 611                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 305                   | 93                   | 632                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 306                   | 93                   | 653                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 307                   | 93                   | 674                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 308                   | 93                   | 695                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 309                   | 93                   | 716                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 310                   | 93                   | 737                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 311                   | 93                   | 758                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 312                   | 93                   | 779                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 313                   | 93                   | 800                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 314                   | 93                   | 821                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 315                   | 93                   | 842                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 316                   | 93                   | 863                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 317                   | 93                   | 884                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 318                   | 93                   | 905                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 319                   | 93                   | 926                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 320                   | 93                   | 947                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 321                   | 93                   | 968                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 322                   | 93                   | 989                  | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 323                   | 93                   | 1010                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 324                   | 93                   | 1031                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 325                   | 93                   | 1052                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 326                   | 93                   | 1073                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 327                   | 93                   | 1094                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 328                   | 93                   | 1115                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 329                   | 93                   | 1136                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 330                   | 93                   | 1157                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 331                   | 93                   | 1178                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 332                   | 93                   | 1199                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 333                   | 93                   | 1220                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 334                   | 93                   | 1241                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 335                   | 93                   | 1262                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 336                   | 93                   | 1283                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 337                   | 93                   | 1304                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 338                   | 93                   | 1325                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 339                   | 93                   | 1346                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 340                   | 93                   | 1367                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 341                   | 93                   | 1388                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 342                   | 93                   | 1409                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 343                   | 93                   | 1430                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 344                   | 93                   | 1451                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 345                   | 93                   | 1472                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 346                   | 93                   | 1493                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      | 145                                                      | 395                                                      | 41                                                      | 79                                                       |
| 347                   | 93                   | 1514                 | 134                                                      | 134                                                      | 125                                                      | 175                                                      | 133                                                      | 145                                                      |                                                          |                                                          |                                                         |                                                          |

| -01<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 9-15<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>3.00<br>DEG. C | 0-16<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>4.30<br>DEG. C | 6-17<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>6.00<br>DEG. C | 9-18<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 4<br>9.00<br>DEG. C | 0-19<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 5<br>4.30<br>DEG. C | 8-20<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 5<br>4.30<br>DEG. C | 0-21<br>ENG. 2<br>COMPR.<br>CSE<br>STG. 5<br>6.00<br>DEG. C | 8-22<br>ENG. 2<br>TAS. 3N<br>TURB<br>CASE<br>4.00<br>DEG. C | 0-23<br>ENG. 2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG. C | 8-24<br>ENG. 2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG. C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|
| 285                   | 07                   | 54                   | 126                                                         | 129                                                         | 119                                                         | 165                                                         | 131                                                         | 154                                                         | 159                                                         | 462                                                         | 39                                                        | 76                                                         |
| 286                   | 08                   | 15                   | 126                                                         | 128                                                         | 120                                                         | 166                                                         | 129                                                         | 152                                                         | 158                                                         | 462                                                         | 40                                                        | 77                                                         |
| 287                   | 08                   | 36                   | 126                                                         | 128                                                         | 120                                                         | 165                                                         | 131                                                         | 152                                                         | 156                                                         | 461                                                         | 39                                                        | 77                                                         |
| 288                   | 08                   | 58                   | 126                                                         | 129                                                         | 121                                                         | 166                                                         | 129                                                         | 152                                                         | 158                                                         | 462                                                         | 40                                                        | 77                                                         |
| 289                   | 08                   | 19                   | 126                                                         | 130                                                         | 121                                                         | 166                                                         | 128                                                         | 150                                                         | 157                                                         | 463                                                         | 40                                                        | 77                                                         |
| 290                   | 08                   | 40                   | 127                                                         | 131                                                         | 121                                                         | 166                                                         | 131                                                         | 151                                                         | 156                                                         | 464                                                         | 39                                                        | 78                                                         |
| 291                   | 08                   | 40                   | 127                                                         | 131                                                         | 121                                                         | 165                                                         | 134                                                         | 152                                                         | 157                                                         | 465                                                         | 39                                                        | 78                                                         |
| 292                   | 09                   | 1                    | 127                                                         | 131                                                         | 121                                                         | 167                                                         | 133                                                         | 152                                                         | 159                                                         | 465                                                         | 40                                                        | 78                                                         |
| 293                   | 09                   | 22                   | 127                                                         | 130                                                         | 122                                                         | 167                                                         | 133                                                         | 152                                                         | 158                                                         | 465                                                         | 40                                                        | 78                                                         |
| 294                   | 09                   | 43                   | 129                                                         | 131                                                         | 123                                                         | 164                                                         | 136                                                         | 155                                                         | 158                                                         | 465                                                         | 41                                                        | 78                                                         |
| 295                   | 09                   | 4                    | 129                                                         | 132                                                         | 123                                                         | 165                                                         | 136                                                         | 155                                                         | 157                                                         | 466                                                         | 39                                                        | 78                                                         |
| 296                   | 09                   | 26                   | 128                                                         | 131                                                         | 124                                                         | 165                                                         | 133                                                         | 151                                                         | 157                                                         | 466                                                         | 41                                                        | 78                                                         |
| 297                   | 09                   | 47                   | 127                                                         | 131                                                         | 122                                                         | 165                                                         | 137                                                         | 153                                                         | 156                                                         | 466                                                         | 40                                                        | 78                                                         |
| 298                   | 09                   | 8                    | 126                                                         | 130                                                         | 121                                                         | 165                                                         | 131                                                         | 150                                                         | 157                                                         | 466                                                         | 39                                                        | 78                                                         |
| 299                   | 09                   | 29                   | 126                                                         | 130                                                         | 121                                                         | 164                                                         | 131                                                         | 150                                                         | 157                                                         | 466                                                         | 40                                                        | 78                                                         |
| 300                   | 09                   | 48                   | 126                                                         | 129                                                         | 121                                                         | 166                                                         | 131                                                         | 151                                                         | 158                                                         | 467                                                         | 39                                                        | 78                                                         |
| 301                   | 09                   | 11                   | 127                                                         | 130                                                         | 120                                                         | 165                                                         | 131                                                         | 150                                                         | 156                                                         | 467                                                         | 39                                                        | 78                                                         |
| 302                   | 09                   | 32                   | 127                                                         | 130                                                         | 121                                                         | 166                                                         | 131                                                         | 151                                                         | 157                                                         | 466                                                         | 40                                                        | 78                                                         |
| 303                   | 09                   | 54                   | 127                                                         | 130                                                         | 121                                                         | 166                                                         | 132                                                         | 151                                                         | 157                                                         | 465                                                         | 39                                                        | 78                                                         |
| 304                   | 09                   | 15                   | 127                                                         | 131                                                         | 123                                                         | 166                                                         | 131                                                         | 150                                                         | 157                                                         | 467                                                         | 39                                                        | 79                                                         |
| 305                   | 09                   | 33                   | 126                                                         | 130                                                         | 123                                                         | 166                                                         | 130                                                         | 151                                                         | 157                                                         | 467                                                         | 39                                                        | 79                                                         |
| 306                   | 09                   | 54                   | 126                                                         | 130                                                         | 123                                                         | 165                                                         | 130                                                         | 151                                                         | 157                                                         | 468                                                         | 39                                                        | 79                                                         |
| 307                   | 09                   | 18                   | 127                                                         | 131                                                         | 122                                                         | 165                                                         | 131                                                         | 151                                                         | 157                                                         | 469                                                         | 39                                                        | 79                                                         |
| 308                   | 09                   | 37                   | 126                                                         | 130                                                         | 121                                                         | 167                                                         | 130                                                         | 152                                                         | 158                                                         | 470                                                         | 39                                                        | 80                                                         |
| 309                   | 09                   | 56                   | 127                                                         | 130                                                         | 122                                                         | 166                                                         | 132                                                         | 152                                                         | 158                                                         | 471                                                         | 39                                                        | 80                                                         |
| 310                   | 09                   | 22                   | 126                                                         | 129                                                         | 121                                                         | 167                                                         | 130                                                         | 152                                                         | 158                                                         | 471                                                         | 40                                                        | 78                                                         |
| 311                   | 09                   | 43                   | 127                                                         | 130                                                         | 122                                                         | 166                                                         | 130                                                         | 152                                                         | 158                                                         | 468                                                         | 39                                                        | 79                                                         |
| 312                   | 09                   | 4                    | 127                                                         | 129                                                         | 121                                                         | 166                                                         | 131                                                         | 153                                                         | 159                                                         | 467                                                         | 40                                                        | 78                                                         |
| 313                   | 09                   | 25                   | 127                                                         | 129                                                         | 121                                                         | 165                                                         | 132                                                         | 153                                                         | 159                                                         | 467                                                         | 40                                                        | 78                                                         |
| 314                   | 09                   | 46                   | 128                                                         | 130                                                         | 121                                                         | 165                                                         | 137                                                         | 154                                                         | 159                                                         | 469                                                         | 40                                                        | 80                                                         |
| 315                   | 09                   | 7                    | 125                                                         | 127                                                         | 121                                                         | 161                                                         | 138                                                         | 154                                                         | 159                                                         | 462                                                         | 40                                                        | 79                                                         |
| 316                   | 09                   | 28                   | 108                                                         | 113                                                         | 114                                                         | 154                                                         | 139                                                         | 153                                                         | 158                                                         | 466                                                         | 44                                                        | 80                                                         |
| 317                   | 09                   | 49                   | 101                                                         | 107                                                         | 107                                                         | 141                                                         | 131                                                         | 143                                                         | 151                                                         | 418                                                         | 43                                                        | 78                                                         |
| 318                   | 09                   | 10                   | 99                                                          | 103                                                         | 103                                                         | 131                                                         | 119                                                         | 130                                                         | 139                                                         | 393                                                         | 41                                                        | 78                                                         |
| 319                   | 09                   | 31                   | 98                                                          | 101                                                         | 99                                                          | 126                                                         | 114                                                         | 121                                                         | 131                                                         | 379                                                         | 43                                                        | 77                                                         |
| 320                   | 09                   | 52                   | 98                                                          | 100                                                         | 98                                                          | 123                                                         | 105                                                         | 115                                                         | 126                                                         | 368                                                         | 43                                                        | 79                                                         |
| 321                   | 09                   | 13                   | 98                                                          | 100                                                         | 95                                                          | 122                                                         | 104                                                         | 112                                                         | 122                                                         | 363                                                         | 42                                                        | 75                                                         |
| 322                   | 09                   | 34                   | 98                                                          | 101                                                         | 96                                                          | 121                                                         | 105                                                         | 112                                                         | 122                                                         | 359                                                         | 43                                                        | 77                                                         |
| 323                   | 09                   | 55                   | 98                                                          | 100                                                         | 96                                                          | 121                                                         | 102                                                         | 112                                                         | 120                                                         | 356                                                         | 44                                                        | 76                                                         |
| 324                   | 09                   | 16                   | 98                                                          | 100                                                         | 96                                                          | 120                                                         | 102                                                         | 111                                                         | 119                                                         | 354                                                         | 44                                                        | 76                                                         |
| 325                   | 09                   | 37                   | 98                                                          | 99                                                          | 96                                                          | 119                                                         | 102                                                         | 110                                                         | 120                                                         | 352                                                         | 42                                                        | 75                                                         |
| 326                   | 09                   | 58                   | 101                                                         | 101                                                         | 95                                                          | 118                                                         | 102                                                         | 110                                                         | 119                                                         | 349                                                         | 45                                                        | 73                                                         |
| 327                   | 09                   | 17                   | 118                                                         | 115                                                         | 104                                                         | 129                                                         | 107                                                         | 118                                                         | 124                                                         | 399                                                         | 39                                                        | 73                                                         |
| 328                   | 09                   | 41                   | 123                                                         | 123                                                         | 111                                                         | 145                                                         | 113                                                         | 131                                                         | 138                                                         | 432                                                         | 39                                                        | 74                                                         |
| 329                   | 09                   | 58                   | 124                                                         | 126                                                         | 113                                                         | 153                                                         | 119                                                         | 140                                                         | 145                                                         | 446                                                         | 41                                                        | 73                                                         |
| 330                   | 09                   | 23                   | 124                                                         | 126                                                         | 116                                                         | 159                                                         | 123                                                         | 145                                                         | 150                                                         | 451                                                         | 39                                                        | 75                                                         |
| 331                   | 09                   | 44                   | 126                                                         | 128                                                         | 117                                                         | 162                                                         | 125                                                         | 147                                                         | 153                                                         | 452                                                         | 40                                                        | 77                                                         |
| 332                   | 09                   | 5                    | 125                                                         | 126                                                         | 118                                                         | 164                                                         | 125                                                         | 147                                                         | 155                                                         | 452                                                         | 40                                                        | 76                                                         |
| 333                   | 09                   | 23                   | 126                                                         | 128                                                         | 121                                                         | 163                                                         | 129                                                         | 150                                                         | 156                                                         | 455                                                         | 40                                                        | 76                                                         |
| 334                   | 09                   | 48                   | 127                                                         | 129                                                         | 113                                                         | 163                                                         | 131                                                         | 150                                                         | 157                                                         | 455                                                         | 40                                                        | 77                                                         |
| 335                   | 09                   | 6                    | 124                                                         | 129                                                         | 121                                                         | 163                                                         | 137                                                         | 153                                                         | 155                                                         | 456                                                         | 40                                                        | 79                                                         |

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DE3.C | 8-16<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DE3.C | 8-17<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DE3.C | 8-18<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DE3.C | 8-19<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>4.30<br>DE3.C | 8-20<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>4.30<br>DE3.C | 8-21<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DE3.C | 8-22<br>ENG.2<br>TARB<br>CASE<br>4.00<br>DE3.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DE3.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DE3.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 335                   | 105                  | 30                   | 126                                                     | 128                                                     | 121                                                     | 162                                                     | 134                                                     | 152                                                     | 157                                                     | 454                                            | 39                                                      | 77                                                       |
| 336                   | 105                  | 51                   | 127                                                     | 129                                                     | 121                                                     | 163                                                     | 135                                                     | 151                                                     | 156                                                     | 453                                            | 40                                                      | 77                                                       |
| 337                   | 106                  | 12                   | 125                                                     | 128                                                     | 120                                                     | 162                                                     | 131                                                     | 150                                                     | 155                                                     | 454                                            | 41                                                      | 78                                                       |
| 338                   | 106                  | 33                   | 123                                                     | 127                                                     | 120                                                     | 162                                                     | 128                                                     | 148                                                     | 153                                                     | 451                                            | 40                                                      | 77                                                       |
| 339                   | 106                  | 55                   | 124                                                     | 127                                                     | 118                                                     | 163                                                     | 129                                                     | 148                                                     | 154                                                     | 453                                            | 39                                                      | 76                                                       |
| 340                   | 107                  | 16                   | 126                                                     | 128                                                     | 117                                                     | 160                                                     | 134                                                     | 149                                                     | 152                                                     | 447                                            | 41                                                      | 75                                                       |
| 341                   | 107                  | 37                   | 126                                                     | 127                                                     | 116                                                     | 160                                                     | 130                                                     | 147                                                     | 151                                                     | 447                                            | 40                                                      | 77                                                       |
| 342                   | 107                  | 58                   | 125                                                     | 127                                                     | 117                                                     | 161                                                     | 131                                                     | 147                                                     | 151                                                     | 449                                            | 41                                                      | 78                                                       |
| 343                   | 108                  | 19                   | 127                                                     | 129                                                     | 118                                                     | 161                                                     | 136                                                     | 147                                                     | 153                                                     | 454                                            | 39                                                      | 76                                                       |
| 344                   | 108                  | 41                   | 126                                                     | 130                                                     | 120                                                     | 162                                                     | 134                                                     | 150                                                     | 154                                                     | 458                                            | 39                                                      | 79                                                       |
| 345                   | 109                  | 2                    | 128                                                     | 130                                                     | 121                                                     | 163                                                     | 140                                                     | 154                                                     | 158                                                     | 460                                            | 40                                                      | 77                                                       |
| 346                   | *                    | 20                   | 125                                                     | 128                                                     | 119                                                     | 161                                                     | 139                                                     | 152                                                     | 156                                                     | 452                                            | 40                                                      | 81                                                       |
| 347                   | 109                  | 44                   | 126                                                     | 129                                                     | 121                                                     | 161                                                     | 136                                                     | 151                                                     | 154                                                     | 454                                            | 41                                                      | 77                                                       |
| 348                   | *                    | 3                    | 127                                                     | 129                                                     | 119                                                     | 161                                                     | 137                                                     | 151                                                     | 154                                                     | 453                                            | 40                                                      | 76                                                       |
| 349                   | 110                  | 26                   | 124                                                     | 126                                                     | 117                                                     | 159                                                     | 134                                                     | 148                                                     | 153                                                     | 448                                            | 39                                                      | 76                                                       |
| 350                   | 110                  | 48                   | 127                                                     | 128                                                     | 120                                                     | 159                                                     | 137                                                     | 150                                                     | 153                                                     | 451                                            | 41                                                      | 79                                                       |
| 351                   | 111                  | 9                    | 122                                                     | 126                                                     | 117                                                     | 157                                                     | 134                                                     | 151                                                     | 151                                                     | 441                                            | 41                                                      | 78                                                       |
| 352                   | 111                  | 36                   | 123                                                     | 125                                                     | 117                                                     | 156                                                     | 132                                                     | 146                                                     | 150                                                     | 436                                            | 42                                                      | 76                                                       |
| 353                   | 111                  | 51                   | 120                                                     | 114                                                     | 113                                                     | 153                                                     | 129                                                     | 142                                                     | 147                                                     | 418                                            | 41                                                      | 78                                                       |
| 354                   | *                    | 9                    | 132                                                     | 108                                                     | 108                                                     | 143                                                     | 122                                                     | 131                                                     | 141                                                     | 336                                            | 43                                                      | 79                                                       |
| 355                   | 112                  | 33                   | 131                                                     | 101                                                     | 121                                                     | 134                                                     | 112                                                     | 121                                                     | 133                                                     | 378                                            | 43                                                      | 75                                                       |
| 356                   | 112                  | 54                   | 101                                                     | 105                                                     | 103                                                     | 131                                                     | 108                                                     | 116                                                     | 123                                                     | 374                                            | 42                                                      | 75                                                       |
| 357                   | 113                  | 15                   | 93                                                      | 101                                                     | 97                                                      | 126                                                     | 99                                                      | 113                                                     | 127                                                     | 365                                            | 41                                                      | 73                                                       |
| 358                   | 113                  | 35                   | 93                                                      | 99                                                      | 95                                                      | 126                                                     | 99                                                      | 110                                                     | 124                                                     | 361                                            | 41                                                      | 73                                                       |
| 359                   | 113                  | 57                   | 93                                                      | 99                                                      | 95                                                      | 124                                                     | 100                                                     | 109                                                     | 122                                                     | 358                                            | 44                                                      | 76                                                       |
| 360                   | *                    | 18                   | 93                                                      | 100                                                     | 94                                                      | 123                                                     | 103                                                     | 109                                                     | 122                                                     | 358                                            | 41                                                      | 73                                                       |
| 361                   | 114                  | 39                   | 97                                                      | 99                                                      | 94                                                      | 122                                                     | 100                                                     | 113                                                     | 123                                                     | 355                                            | 41                                                      | 74                                                       |
| 362                   | *                    | 57                   | 95                                                      | 99                                                      | 95                                                      | 121                                                     | 98                                                      | 110                                                     | 121                                                     | 352                                            | 42                                                      | 75                                                       |
| 363                   | 115                  | 21                   | *                                                       | *                                                       | *                                                       | 116                                                     | 92                                                      | 104                                                     | 115                                                     | 350                                            | 36                                                      | 72                                                       |
| 364                   | 115                  | 43                   | 80                                                      | 84                                                      | 83                                                      | 114                                                     | 96                                                      | 105                                                     | 115                                                     | 339                                            | 43                                                      | 68                                                       |
| 365                   | 116                  | 4                    | 70                                                      | 75                                                      | 77                                                      | 102                                                     | 93                                                      | 96                                                      | 103                                                     | 330                                            | 48                                                      | 87                                                       |
| 366                   | 116                  | 25                   | 65                                                      | 70                                                      | 77                                                      | 93                                                      | 88                                                      | 97                                                      | 93                                                      | 324                                            | 46                                                      | 87                                                       |
| 367                   | 116                  | 46                   | 66                                                      | 71                                                      | 74                                                      | 86                                                      | 84                                                      | 80                                                      | 85                                                      | 319                                            | 45                                                      | 92                                                       |
| 368                   | 119                  | 22                   | 70                                                      | 74                                                      | 69                                                      | 83                                                      | 76                                                      | 74                                                      | 76                                                      | 283                                            | 44                                                      | 86                                                       |
| 369                   | 119                  | 56                   | 72                                                      | 74                                                      | 73                                                      | 86                                                      | 78                                                      | 76                                                      | 78                                                      | 277                                            | 44                                                      | 86                                                       |
| 370                   | 120                  | 18                   | 73                                                      | 77                                                      | 71                                                      | 86                                                      | 79                                                      | 78                                                      | 78                                                      | 275                                            | 52                                                      | 79                                                       |
| 371                   | 120                  | 39                   | 74                                                      | 72                                                      | 71                                                      | 87                                                      | 82                                                      | 80                                                      | 80                                                      | 272                                            | 51                                                      | 76                                                       |
| 372                   | 121                  | 1                    | 75                                                      | 74                                                      | 72                                                      | 88                                                      | 81                                                      | 80                                                      | 81                                                      | 270                                            | 48                                                      | 78                                                       |
| 373                   | 121                  | 22                   | 76                                                      | 74                                                      | 73                                                      | 89                                                      | 82                                                      | 80                                                      | 81                                                      | 267                                            | 48                                                      | 78                                                       |
| 374                   | 121                  | 44                   | 78                                                      | 75                                                      | 73                                                      | 90                                                      | 84                                                      | 81                                                      | 83                                                      | 264                                            | 51                                                      | 75                                                       |
| 375                   | 123                  | 25                   | 79                                                      | 76                                                      | 78                                                      | 94                                                      | 86                                                      | 85                                                      | 85                                                      | 254                                            | 50                                                      | 75                                                       |
| 376                   | 123                  | 47                   | 76                                                      | 76                                                      | 76                                                      | 94                                                      | 86                                                      | 85                                                      | 85                                                      | 252                                            | 49                                                      | 77                                                       |
| 377                   | 124                  | 8                    | 60                                                      | 75                                                      | 75                                                      | 94                                                      | 87                                                      | 85                                                      | 85                                                      | 250                                            | 48                                                      | 77                                                       |
| 378                   | 124                  | 30                   | 79                                                      | 77                                                      | 75                                                      | 94                                                      | 88                                                      | 85                                                      | 85                                                      | 248                                            | 48                                                      | 76                                                       |
| 379                   | 124                  | 52                   | 80                                                      | 77                                                      | 75                                                      | 94                                                      | 88                                                      | 86                                                      | 85                                                      | 247                                            | 46                                                      | 76                                                       |
| 380                   | 129                  | 31                   | 75                                                      | 72                                                      | 71                                                      | 98                                                      | 90                                                      | 77                                                      | 76                                                      | 214                                            | 47                                                      | 69                                                       |
| 381                   | 129                  | 55                   | 74                                                      | 73                                                      | 70                                                      | 88                                                      | 79                                                      | 76                                                      | 75                                                      | 213                                            | 45                                                      | 69                                                       |
| 382                   | 130                  | 16                   | 74                                                      | 73                                                      | 70                                                      | 88                                                      | 76                                                      | 76                                                      | 74                                                      | 211                                            | 46                                                      | 67                                                       |
| 383                   | 132                  | 38                   | 74                                                      | 72                                                      | 72                                                      | 97                                                      | 78                                                      | 75                                                      | 74                                                      | 210                                            | 46                                                      | 68                                                       |
| 384                   | 132                  | 59                   | 74                                                      | 72                                                      | 74                                                      | 87                                                      | 78                                                      | 75                                                      | 74                                                      | 209                                            | 46                                                      | 66                                                       |

|        |      |      |        |        |        |        |        |        |        |        |        |        |
|--------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| -01    | 8-02 | 8-03 | 8-15   | 8-16   | 8-17   | 8-18   | 8-19   | 8-20   | 8-21   | 8-22   | 8-23   | 8-24   |
| SHEEP  | TIME | TIME | ENG.2  | ENG.2  | ENG.2  | ENG.2  | ENG.2  | ENG.2  | ENG.2  | ENG.2  | ENG.2  | ENG.2  |
| COUNTY | MIN. | SEC. | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | GAS GN | OIL    | OIL    |
|        |      |      | CSE    | CSE    | CSE    | CSE    | CSE    | CSE    | CSE    | TURB   | COOLER | COOLER |
|        |      |      | STG.4  | STG.4  | STG.4  | STG.4  | STG.5  | STG.5  | STG.5  | CASE   | AIR    | AIR    |
|        |      |      | 3.00   | 4.30   | 6.00   | 9.00   | 3.00   | 4.30   | 6.00   | 4.00   | INLET  | OUTLET |
|        |      |      | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  |
| 385    | 131  | 21   | 74     | 72     | 69     | 87     | 78     | 75     | 74     | 208    | 45     | 68     |
| 386    | 140  | 2    | 70     | 67     | 66     | 82     | 73     | 70     | 70     | 104    | 45     | 65     |
| 387    | 140  | 23   | 69     | 67     | 66     | 82     | 74     | 72     | 71     | 103    | 45     | 65     |
| 388    | 140  | 45   | 69     | 67     | 66     | 82     | 74     | 71     | 71     | 103    | 44     | 65     |
| 389    | 141  | 7    | 69     | 67     | 66     | 82     | 74     | 71     | 71     | 102    | 44     | 64     |
| 390    | 141  | 28   | 69     | 67     | 66     | 81     | 75     | 72     | 71     | 102    | 43     | 64     |
| 391    | 149  | 6    | 70     | 67     | 66     | 80     | 74     | 71     | 70     | 169    | 44     | 61     |
| 392    | 149  | 28   | 70     | 67     | 66     | 80     | 75     | 71     | 70     | 169    | 43     | 60     |
| 393    | *    | *    | 70     | 67     | 65     | 80     | 75     | 71     | 70     | 167    | 42     | 50     |
| 394    | 150  | 11   | 70     | 67     | 65     | 80     | 74     | 71     | 70     | 168    | 42     | 54     |
| 395    | 150  | 33   | 70     | 67     | 66     | 80     | 74     | 71     | 70     | 167    | 42     | 57     |
| 396    | 150  | 54   | 70     | 67     | 66     | 80     | 74     | 71     | 70     | 167    | 44     | 58     |

HM-53C S/N 68-10354  
DESERT TEST  
7 JULY 1971  
RUN NO. 8

| -01<br>SLEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | A-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>A.00<br>DEG.C | A-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>A.00<br>DEG.C | A-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>A.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 39                    | 1                    | 19                   | 49                                                      | 47                                                      | 52                                                      |
| 40                    | *                    | *                    | *                                                       | *                                                       | *                                                       |
| 41                    | 2                    | 2                    | 48                                                      | 47                                                      | 52                                                      |
| 42                    | 2                    | 24                   | 49                                                      | 47                                                      | 52                                                      |
| 43                    | 2                    | 45                   | 48                                                      | 47                                                      | 52                                                      |
| 44                    | 3                    | 6                    | 48                                                      | 47                                                      | 52                                                      |
| 45                    | 3                    | 28                   | 48                                                      | 47                                                      | 52                                                      |
| 46                    | 3                    | 49                   | 48                                                      | 47                                                      | 52                                                      |
| 47                    | 4                    | 11                   | 49                                                      | 47                                                      | 52                                                      |
| 48                    | 4                    | 32                   | 48                                                      | 47                                                      | 52                                                      |
| 49                    | 4                    | 54                   | 48                                                      | 47                                                      | 52                                                      |
| 50                    | 5                    | 15                   | 48                                                      | 47                                                      | 53                                                      |
| 51                    | 5                    | 37                   | 48                                                      | 47                                                      | 52                                                      |
| 52                    | 5                    | 58                   | 48                                                      | 47                                                      | 52                                                      |
| 53                    | 6                    | 20                   | 48                                                      | 47                                                      | 52                                                      |
| 54                    | 6                    | 41                   | 48                                                      | 48                                                      | 54                                                      |
| 55                    | 7                    | 2                    | 48                                                      | 48                                                      | 54                                                      |
| 56                    | *                    | 21                   | 51                                                      | 49                                                      | 54                                                      |
| 57                    | 7                    | 45                   | 51                                                      | 49                                                      | 54                                                      |
| 58                    | 8                    | 6                    | 52                                                      | 49                                                      | 54                                                      |
| 59                    | 8                    | 27                   | 50                                                      | 49                                                      | 54                                                      |
| 60                    | 8                    | 48                   | 50                                                      | 48                                                      | 54                                                      |
| 61                    | 9                    | 9                    | 50                                                      | 49                                                      | 55                                                      |
| 62                    | 9                    | 30                   | 51                                                      | 49                                                      | 55                                                      |
| 63                    | 9                    | 52                   | 50                                                      | 49                                                      | 55                                                      |
| 64                    | 10                   | 13                   | 51                                                      | 49                                                      | 54                                                      |
| 65                    | 10                   | 34                   | 51                                                      | 48                                                      | 54                                                      |
| 66                    | 10                   | 55                   | 50                                                      | 49                                                      | 55                                                      |
| 67                    | *                    | 14                   | 51                                                      | 49                                                      | 54                                                      |
| 68                    | 11                   | 37                   | 51                                                      | 49                                                      | 54                                                      |
| 69                    | 11                   | 58                   | 50                                                      | 48                                                      | 53                                                      |
| 70                    | 12                   | 19                   | 50                                                      | 48                                                      | 54                                                      |
| 71                    | 12                   | 42                   | 50                                                      | 48                                                      | 53                                                      |
| 72                    | 13                   | 2                    | 50                                                      | 48                                                      | 54                                                      |
| 73                    | 13                   | 23                   | 50                                                      | 48                                                      | 53                                                      |
| 74                    | 13                   | 44                   | 50                                                      | 48                                                      | 54                                                      |
| 75                    | 14                   | 5                    | 50                                                      | 49                                                      | 54                                                      |
| 76                    | 14                   | 26                   | 51                                                      | 49                                                      | 54                                                      |
| 77                    | 14                   | 48                   | 51                                                      | 49                                                      | 54                                                      |
| 78                    | 15                   | 9                    | 51                                                      | 50                                                      | 55                                                      |
| 79                    | 15                   | 30                   | 51                                                      | 50                                                      | 55                                                      |
| 80                    | 15                   | 51                   | 54                                                      | 50                                                      | 55                                                      |
| 81                    | *                    | 10                   | 53                                                      | 53                                                      | 57                                                      |
| 82                    | 16                   | 32                   | 61                                                      | 67                                                      | 74                                                      |
| 83                    | 16                   | 54                   | 111                                                     | *                                                       | *                                                       |

| -01<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 8-25<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>4.00<br>DESGC | 8-26<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>8.00<br>DESGC | 8-27<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>12.00<br>DESGC |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 04                    | 17                   | 15                   | 121                                                      | 140                                                      | 152                                                       |
| 05                    | *                    | 34                   | 159                                                      | 180                                                      | 191                                                       |
| 06                    | 17                   | 50                   | 195                                                      | 219                                                      | 224                                                       |
| 07                    | 10                   | 19                   | 231                                                      | 252                                                      | 254                                                       |
| 08                    | 10                   | 40                   | 261                                                      | 278                                                      | 279                                                       |
| 09                    | 19                   | 1                    | 283                                                      | 298                                                      | 300                                                       |
| 90                    | 19                   | 22                   | 301                                                      | 314                                                      | 320                                                       |
| 91                    | 19                   | 43                   | 313                                                      | 327                                                      | 336                                                       |
| 92                    | *                    | 2                    | 323                                                      | 339                                                      | 348                                                       |
| 93                    | 20                   | 26                   | 330                                                      | 347                                                      | 357                                                       |
| 94                    | 20                   | 47                   | 335                                                      | 355                                                      | 362                                                       |
| 95                    | 21                   | 8                    | 335                                                      | 357                                                      | 367                                                       |
| 96                    | 21                   | 20                   | 337                                                      | 355                                                      | 367                                                       |
| 97                    | 21                   | 49                   | 336                                                      | 350                                                      | 361                                                       |
| 98                    | 22                   | 10                   | 337                                                      | 348                                                      | 361                                                       |
| 100                   | 22                   | 52                   | 336                                                      | 347                                                      | 360                                                       |
| 101                   | 23                   | 13                   | 336                                                      | 346                                                      | 358                                                       |
| 102                   | 23                   | 34                   | 335                                                      | 342                                                      | 357                                                       |
| 103                   | 23                   | 55                   | 334                                                      | 340                                                      | 355                                                       |
| 104                   | 24                   | 16                   | 333                                                      | 339                                                      | 353                                                       |
| 105                   | 24                   | 37                   | 329                                                      | 339                                                      | 352                                                       |
| 106                   | 24                   | 58                   | 332                                                      | 338                                                      | 352                                                       |
| 107                   | 25                   | 19                   | 332                                                      | 337                                                      | 352                                                       |
| 108                   | 25                   | 40                   | 330                                                      | 337                                                      | 351                                                       |
| 109                   | 26                   | 1                    | 333                                                      | 339                                                      | 354                                                       |
| 110                   | 26                   | 22                   | 333                                                      | 340                                                      | 354                                                       |
| 111                   | 26                   | 43                   | 334                                                      | 340                                                      | 356                                                       |
| 112                   | 27                   | 4                    | 335                                                      | 342                                                      | 356                                                       |
| 113                   | *                    | 23                   | 336                                                      | 344                                                      | 357                                                       |
| 114                   | 27                   | 46                   | 336                                                      | 345                                                      | 359                                                       |
| 115                   | *                    | 5                    | 337                                                      | 344                                                      | 360                                                       |
| 116                   | 28                   | 28                   | 336                                                      | 345                                                      | 374                                                       |
| 117                   | 28                   | 50                   | 350                                                      | 364                                                      | 406                                                       |
| 118                   | 29                   | 11                   | 368                                                      | 389                                                      | 442                                                       |
| 119                   | 29                   | 32                   | 387                                                      | 414                                                      | 474                                                       |
| 120                   | 29                   | 57                   | 408                                                      | 432                                                      | 496                                                       |
| 121                   | 30                   | 14                   | 426                                                      | 443                                                      | 503                                                       |
| 122                   | *                    | 33                   | 437                                                      | 449                                                      | 517                                                       |
| 123                   | 30                   | 56                   | 447                                                      | 456                                                      | 525                                                       |
| 124                   | 31                   | 19                   | 452                                                      | 459                                                      | 527                                                       |
| 125                   | *                    | *                    | 460                                                      | 460                                                      | 532                                                       |
| 126                   | 32                   | 0                    | 466                                                      | 463                                                      | 534                                                       |
| 127                   | 32                   | 21                   | 470                                                      | 485                                                      | 535                                                       |
| 128                   | 32                   | 42                   | 471                                                      | 486                                                      | 537                                                       |
| 129                   | 33                   | 3                    | 475                                                      | 466                                                      | 537                                                       |
| 130                   | 33                   | 24                   | 490                                                      | 467                                                      | 537                                                       |
| 131                   | *                    | 43                   | 478                                                      | 468                                                      | 540                                                       |
| 132                   | 34                   | 7                    | 480                                                      | 470                                                      | 543                                                       |
| 133                   | 34                   | 20                   | 484                                                      | 470                                                      | 549                                                       |
| 134                   | *                    | 47                   | 485                                                      | 475                                                      | 556                                                       |



| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 9-25<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG. C | 8-26<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG. C | 8-27<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG. C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|
| 135                   | *                    | *                    | 486                                                       | 474                                                       | 561                                                        |
| 136                   | 35                   | 31                   | 491                                                       | 478                                                       | 564                                                        |
| 137                   | 35                   | 53                   | 495                                                       | 480                                                       | 564                                                        |
| 138                   | 36                   | 14                   | 500                                                       | 479                                                       | 565                                                        |
| 139                   | 36                   | 35                   | 500                                                       | *                                                         | *                                                          |
| 140                   | *                    | 54                   | 499                                                       | 483                                                       | 558                                                        |
| 141                   | *                    | 15                   | 496                                                       | 481                                                       | 552                                                        |
| 142                   | 37                   | 38                   | 494                                                       | 479                                                       | 550                                                        |
| 143                   | 37                   | 59                   | 489                                                       | 482                                                       | 547                                                        |
| 144                   | 38                   | 21                   | 488                                                       | 480                                                       | 545                                                        |
| 145                   | 38                   | 42                   | 484                                                       | 475                                                       | 542                                                        |
| 146                   | 38                   | 3                    | 484                                                       | 474                                                       | 542                                                        |
| 147                   | 39                   | 24                   | 486                                                       | 470                                                       | 543                                                        |
| 148                   | 39                   | 45                   | 491                                                       | 471                                                       | 542                                                        |
| 149                   | *                    | 4                    | 492                                                       | 473                                                       | 542                                                        |
| 150                   | 40                   | 27                   | 493                                                       | 475                                                       | 544                                                        |
| 151                   | 40                   | 48                   | 490                                                       | 475                                                       | 545                                                        |
| 152                   | 41                   | 9                    | 490                                                       | 480                                                       | 544                                                        |
| 153                   | 41                   | 31                   | 490                                                       | 480                                                       | 546                                                        |
| 154                   | 41                   | 52                   | 493                                                       | 479                                                       | 549                                                        |
| 155                   | 42                   | 13                   | 490                                                       | 480                                                       | 543                                                        |
| 156                   | 42                   | 34                   | 486                                                       | 482                                                       | 536                                                        |
| 157                   | 42                   | 55                   | 482                                                       | 481                                                       | 533                                                        |
| 158                   | 43                   | 16                   | 473                                                       | 472                                                       | 531                                                        |
| 159                   | *                    | 35                   | 477                                                       | 475                                                       | 528                                                        |
| 160                   | 43                   | 58                   | *                                                         | 469                                                       | 529                                                        |
| 161                   | 44                   | 19                   | 466                                                       | 466                                                       | 529                                                        |
| 162                   | *                    | 38                   | 464                                                       | 464                                                       | 524                                                        |
| 163                   | *                    | 2                    | 466                                                       | 468                                                       | 531                                                        |
| 164                   | 45                   | 23                   | 467                                                       | 466                                                       | 533                                                        |
| 165                   | 45                   | 44                   | 466                                                       | 468                                                       | 533                                                        |
| 166                   | 46                   | 5                    | 470                                                       | 477                                                       | 531                                                        |
| 167                   | 46                   | 26                   | 474                                                       | 484                                                       | 535                                                        |
| 168                   | *                    | 45                   | 479                                                       | 489                                                       | 540                                                        |
| 169                   | 47                   | 8                    | 482                                                       | 492                                                       | 543                                                        |
| 170                   | 47                   | 29                   | 480                                                       | 495                                                       | 539                                                        |
| 171                   | 47                   | 51                   | 481                                                       | 493                                                       | 540                                                        |
| 172                   | 48                   | 12                   | 481                                                       | 495                                                       | 541                                                        |
| 173                   | 48                   | 33                   | 480                                                       | 494                                                       | 534                                                        |
| 174                   | 48                   | 54                   | 480                                                       | 491                                                       | 533                                                        |
| 175                   | 49                   | 15                   | 486                                                       | 492                                                       | 533                                                        |
| 176                   | 49                   | 36                   | 488                                                       | 492                                                       | 534                                                        |
| 177                   | 49                   | 57                   | 493                                                       | 492                                                       | 536                                                        |
| 178                   | 50                   | 18                   | 494                                                       | 491                                                       | 537                                                        |
| 179                   | 50                   | 39                   | 491                                                       | 495                                                       | 537                                                        |
| 180                   | 51                   | 1                    | 487                                                       | 493                                                       | 536                                                        |
| 181                   | 51                   | 22                   | 484                                                       | 492                                                       | 538                                                        |
| 182                   | *                    | *                    | 484                                                       | 494                                                       | 533                                                        |
| 183                   | 52                   | 4                    | 485                                                       | 496                                                       | 536                                                        |
| 184                   | 52                   | 25                   | 486                                                       | 497                                                       | 532                                                        |

| -01<br>SWEEP<br>COUNT | A-02<br>TIME<br>MIN. | B-03<br>TIME<br>SEC. | A-25<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>DEG. C | B-26<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>DEG. C | B-27<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>DEG. C |
|-----------------------|----------------------|----------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| 185                   | 52                   | 46                   | 489                                               | 495                                               | 527                                               |
| 186                   | 53                   | 7                    | 491                                               | 494                                               | 525                                               |
| 187                   | 53                   | 20                   | 492                                               | 495                                               | 526                                               |
| 188                   | 53                   | 49                   | 492                                               | 493                                               | 525                                               |
| 189                   | 54                   | 10                   | 494                                               | 493                                               | 524                                               |
| 190                   | 54                   | 32                   | 492                                               | 494                                               | 522                                               |
| 191                   | 54                   | 53                   | 488                                               | 493                                               | 519                                               |
| 192                   | 55                   | 14                   | 485                                               | 494                                               | 519                                               |
| 193                   | 55                   | 35                   | 485                                               | 493                                               | 516                                               |
| 194                   | 55                   | 56                   | 486                                               | 493                                               | 516                                               |
| 195                   | 56                   | 17                   | 490                                               | 494                                               | 510                                               |
| 196                   | 56                   | 38                   | 488                                               | 493                                               | 514                                               |
| 197                   | 56                   | 59                   | 486                                               | 493                                               | 517                                               |
| 198                   | 57                   | *                    | 479                                               | 489                                               | 511                                               |
| 199                   | 57                   | 41                   | 460                                               | 475                                               | 510                                               |
| 200                   | 58                   | 2                    | 449                                               | 468                                               | 487                                               |
| 201                   | 58                   | 23                   | 434                                               | 447                                               | 465                                               |
| 202                   | 58                   | 44                   | 418                                               | 428                                               | 438                                               |
| 203                   | 58                   | 3                    | 402                                               | 410                                               | 420                                               |
| 204                   | 59                   | 26                   | 388                                               | 394                                               | 403                                               |
| 205                   | 59                   | 49                   | 379                                               | 385                                               | 391                                               |
| 206                   | 60                   | 8                    | 367                                               | 373                                               | 381                                               |
| 207                   | 60                   | 30                   | 365                                               | 371                                               | 385                                               |
| 208                   | 60                   | 51                   | 371                                               | 369                                               | 408                                               |
| 209                   | 61                   | 12                   | 386                                               | 414                                               | 442                                               |
| 210                   | 61                   | 33                   | 404                                               | 436                                               | 470                                               |
| 211                   | 61                   | 54                   | 419                                               | 452                                               | 488                                               |
| 212                   | 62                   | 15                   | 433                                               | 463                                               | 500                                               |
| 213                   | 62                   | 36                   | 439                                               | 470                                               | 506                                               |
| 214                   | 62                   | 57                   | 444                                               | 475                                               | 511                                               |
| 215                   | 63                   | 18                   | 454                                               | 481                                               | 514                                               |
| 216                   | 63                   | 39                   | 459                                               | 485                                               | 514                                               |
| 217                   | 64                   | 1                    | 462                                               | 486                                               | 521                                               |
| 218                   | 64                   | 22                   | 466                                               | 488                                               | 523                                               |
| 219                   | 64                   | 47                   | 468                                               | 489                                               | 521                                               |
| 220                   | 64                   | 1                    | 470                                               | 490                                               | 524                                               |
| 221                   | 65                   | 25                   | 471                                               | 489                                               | 524                                               |
| 222                   | 65                   | 46                   | 471                                               | 488                                               | 525                                               |
| 223                   | 65                   | 7                    | 472                                               | 489                                               | 526                                               |
| 224                   | 66                   | 24                   | 472                                               | 488                                               | 525                                               |
| 225                   | 66                   | 49                   | 472                                               | 489                                               | 525                                               |
| 226                   | 67                   | 11                   | 470                                               | 488                                               | 524                                               |
| 227                   | 67                   | 32                   | 472                                               | 487                                               | 524                                               |
| 228                   | 67                   | 53                   | 471                                               | 487                                               | 525                                               |
| 229                   | 68                   | 14                   | 474                                               | 487                                               | 525                                               |
| 230                   | 68                   | 35                   | 473                                               | 497                                               | 523                                               |
| 231                   | 68                   | 56                   | 474                                               | 489                                               | 522                                               |
| 232                   | 68                   | 15                   | 468                                               | 487                                               | 520                                               |
| 233                   | 69                   | 36                   | 464                                               | 487                                               | 517                                               |
| 234                   | 69                   | 59                   | 451                                               | 462                                               | 515                                               |

01  
SHEEP  
COUNT

| 01<br>SHEEP<br>COUNT | 02<br>TIME<br>MIN. | 03<br>TIME<br>SEC. | 25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>DEG.C | 26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>DEG.C | 27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>DEG.C |
|----------------------|--------------------|--------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| 235                  | 70                 | 20                 | 445                                           | 446                                           | 504                                           |
| 236                  | 70                 | 41                 | 430                                           | 431                                           | 483                                           |
| 237                  | 71                 | 2                  | 420                                           | 423                                           | 473                                           |
| 238                  | 71                 | 23                 | 410                                           | 415                                           | 483                                           |
| 239                  | 71                 | 44                 | 401                                           | 409                                           | 482                                           |
| 240                  | 71                 | 3                  | 395                                           | 404                                           | 441                                           |
| 241                  | 72                 | 26                 | 393                                           | 409                                           | 436                                           |
| 242                  | 72                 | 47                 | 386                                           | 412                                           | 441                                           |
| 243                  | 73                 | 8                  | 355                                           | 414                                           | 455                                           |
| 244                  | 73                 | 29                 | 359                                           | 402                                           | 427                                           |
| 245                  | 73                 | 50                 | 362                                           | 404                                           | 423                                           |
| 246                  | 73                 | 9                  | 371                                           | 419                                           | 437                                           |
| 247                  | 74                 | 30                 | 387                                           | 436                                           | 459                                           |
| 248                  | 74                 | 54                 | 404                                           | 452                                           | 478                                           |
| 249                  | 75                 | 15                 | 418                                           | 465                                           | 493                                           |
| 250                  | 75                 | 36                 | 429                                           | 472                                           | 505                                           |
| 251                  | 75                 | 54                 | 430                                           | 476                                           | 512                                           |
| 252                  | 76                 | 18                 | 446                                           | 484                                           | 516                                           |
| 253                  | 76                 | 39                 | 451                                           | 486                                           | 517                                           |
| 254                  | 77                 | 0                  | 456                                           | 487                                           | 520                                           |
| 255                  | 77                 | 21                 | 458                                           | 490                                           | 520                                           |
| 256                  | 77                 | 42                 | 465                                           | 490                                           | 522                                           |
| 257                  | 78                 | 1                  | 468                                           | 492                                           | 525                                           |
| 258                  | 78                 | 25                 | 466                                           | 491                                           | 526                                           |
| 259                  | 78                 | 46                 | 469                                           | 491                                           | 527                                           |
| 260                  | 78                 | 6                  | 457                                           | 492                                           | 527                                           |
| 261                  | 79                 | 28                 | 467                                           | 492                                           | 526                                           |
| 262                  | 79                 | 49                 | 470                                           | 493                                           | 525                                           |
| 263                  | 80                 | 10                 | 470                                           | 493                                           | 525                                           |
| 264                  | 80                 | 32                 | 474                                           | 492                                           | 526                                           |
| 265                  | 80                 | 53                 | 478                                           | 491                                           | 525                                           |
| 266                  | 81                 | 14                 | 481                                           | 492                                           | 524                                           |
| 267                  | 81                 | 29                 | 479                                           | 487                                           | 527                                           |
| 268                  | 81                 | 56                 | 468                                           | 480                                           | 527                                           |
| 269                  | 82                 | 17                 | 457                                           | 475                                           | 523                                           |
| 270                  | 82                 | 38                 | 443                                           | 464                                           | 433                                           |
| 271                  | 82                 | 59                 | 426                                           | 442                                           | 466                                           |
| 272                  | 83                 | 20                 | 410                                           | 422                                           | 440                                           |
| 273                  | 83                 | 41                 | 396                                           | 404                                           | 420                                           |
| 274                  | 84                 | 2                  | 386                                           | 390                                           | 453                                           |
| 275                  | 84                 | 23                 | 374                                           | 380                                           | 390                                           |
| 276                  | 84                 | 44                 | 366                                           | 371                                           | 383                                           |
| 277                  | 85                 | 5                  | 359                                           | 366                                           | 371                                           |
| 278                  | 85                 | 26                 | 355                                           | 361                                           | 368                                           |
| 279                  | 85                 | 47                 | 349                                           | 355                                           | 364                                           |
| 280                  | 86                 | 6                  | 354                                           | 369                                           | 379                                           |
| 281                  | 86                 | 27                 | 368                                           | 392                                           | 412                                           |
| 282                  | 87                 | 51                 | 384                                           | 418                                           | 443                                           |
| 283                  | 87                 | 12                 | 398                                           | 441                                           | 474                                           |
| 284                  | 87                 | 33                 | 414                                           | 454                                           | 492                                           |

| -41<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.80<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 285                   | 87                   | 54                   | 426                                                     | 466                                                     | 505                                                      |
| 286                   | 88                   | 15                   | 432                                                     | 473                                                     | 515                                                      |
| 287                   | 88                   | 36                   | 444                                                     | 475                                                     | 517                                                      |
| 288                   | 88                   | 58                   | 448                                                     | 476                                                     | 518                                                      |
| 289                   | 89                   | 19                   | 452                                                     | 481                                                     | 520                                                      |
| 290                   | 89                   | 40                   | 455                                                     | 482                                                     | 523                                                      |
| 291                   | 89                   | 1                    | 457                                                     | 482                                                     | 525                                                      |
| 292                   | 90                   | 22                   | 457                                                     | 481                                                     | 525                                                      |
| 293                   | 90                   | 43                   | 458                                                     | 480                                                     | 527                                                      |
| 294                   | 91                   | 4                    | 460                                                     | 481                                                     | 525                                                      |
| 295                   | 91                   | 26                   | 461                                                     | 480                                                     | 527                                                      |
| 296                   | 91                   | 47                   | 465                                                     | 480                                                     | 527                                                      |
| 297                   | 92                   | 8                    | 467                                                     | 481                                                     | 524                                                      |
| 298                   | 92                   | 29                   | 468                                                     | 480                                                     | 524                                                      |
| 299                   | 92                   | 48                   | 470                                                     | 480                                                     | 526                                                      |
| 300                   | 93                   | 11                   | 470                                                     | 482                                                     | 525                                                      |
| 301                   | 93                   | 32                   | 470                                                     | 482                                                     | 525                                                      |
| 302                   | 93                   | 54                   | 471                                                     | 480                                                     | 521                                                      |
| 303                   | 94                   | 15                   | 469                                                     | 483                                                     | 520                                                      |
| 304                   | *                    | 33                   | 472                                                     | 482                                                     | 521                                                      |
| 305                   | *                    | 54                   | 473                                                     | 483                                                     | 522                                                      |
| 306                   | 95                   | 18                   | 475                                                     | 483                                                     | 521                                                      |
| 307                   | *                    | 37                   | 475                                                     | 483                                                     | 521                                                      |
| 308                   | 96                   | 0                    | 477                                                     | 484                                                     | 522                                                      |
| 309                   | 96                   | 22                   | 476                                                     | 485                                                     | 519                                                      |
| 310                   | 96                   | 43                   | 477                                                     | 484                                                     | 518                                                      |
| 311                   | 97                   | 4                    | 478                                                     | 482                                                     | 517                                                      |
| 312                   | 97                   | 25                   | 478                                                     | 481                                                     | 517                                                      |
| 313                   | 97                   | 46                   | 473                                                     | 475                                                     | 517                                                      |
| 314                   | 98                   | 7                    | 460                                                     | 469                                                     | 508                                                      |
| 315                   | 98                   | 26                   | 447                                                     | 458                                                     | 482                                                      |
| 316                   | 98                   | 49                   | 431                                                     | 437                                                     | 456                                                      |
| 317                   | 99                   | 10                   | 413                                                     | 418                                                     | 432                                                      |
| 318                   | 99                   | 31                   | 393                                                     | 402                                                     | 413                                                      |
| 319                   | 99                   | 52                   | 387                                                     | 388                                                     | 397                                                      |
| 320                   | 100                  | 13                   | 379                                                     | 379                                                     | 385                                                      |
| 321                   | 100                  | 34                   | 371                                                     | 371                                                     | 373                                                      |
| 322                   | 100                  | 55                   | 368                                                     | 364                                                     | 363                                                      |
| 323                   | 101                  | 16                   | 362                                                     | 360                                                     | 364                                                      |
| 324                   | 101                  | 37                   | 358                                                     | 357                                                     | 359                                                      |
| 325                   | 101                  | 58                   | 351                                                     | 349                                                     | 361                                                      |
| 326                   | *                    | 17                   | 352                                                     | 362                                                     | 373                                                      |
| 327                   | 102                  | 41                   | 365                                                     | 385                                                     | 405                                                      |
| 328                   | *                    | 59                   | 381                                                     | 408                                                     | 436                                                      |
| 329                   | 103                  | 23                   | 396                                                     | 428                                                     | 462                                                      |
| 330                   | 103                  | 44                   | 412                                                     | 443                                                     | 479                                                      |
| 331                   | 104                  | 5                    | 424                                                     | 453                                                     | 490                                                      |
| 332                   | 104                  | 23                   | 434                                                     | 457                                                     | 494                                                      |
| 333                   | 104                  | 44                   | 441                                                     | 461                                                     | 503                                                      |
| 334                   | *                    | 6                    | 446                                                     | 463                                                     | 511                                                      |

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>0.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>0.00 |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 335                   | 105                  | 30                   | 449                                                     | 465                                                     | 509                                                     |
| 336                   | 105                  | 51                   | 451                                                     | 466                                                     | 509                                                     |
| 337                   | 106                  | 12                   | 450                                                     | 468                                                     | 502                                                     |
| 338                   | 106                  | 33                   | 444                                                     | 468                                                     | 503                                                     |
| 339                   | 106                  | 55                   | 450                                                     | 467                                                     | 502                                                     |
| 340                   | 107                  | 16                   | 443                                                     | 467                                                     | 508                                                     |
| 341                   | 107                  | 37                   | 444                                                     | 466                                                     | 501                                                     |
| 342                   | 107                  | 58                   | 443                                                     | 467                                                     | 499                                                     |
| 343                   | 108                  | 19                   | 445                                                     | 468                                                     | 499                                                     |
| 344                   | 108                  | 41                   | 447                                                     | 469                                                     | 502                                                     |
| 345                   | 109                  | 2                    | 454                                                     | 470                                                     | 505                                                     |
| 346                   | 109                  | 20                   | 453                                                     | 469                                                     | 502                                                     |
| 347                   | 109                  | 44                   | 453                                                     | 471                                                     | 498                                                     |
| 348                   | 109                  | 3                    | 452                                                     | 467                                                     | 504                                                     |
| 349                   | 110                  | 25                   | 446                                                     | 465                                                     | 500                                                     |
| 350                   | 110                  | 48                   | 447                                                     | 464                                                     | 500                                                     |
| 351                   | 111                  | 9                    | 440                                                     | 459                                                     | 495                                                     |
| 352                   | 111                  | 30                   | 430                                                     | 451                                                     | 492                                                     |
| 353                   | 111                  | 51                   | 422                                                     | 444                                                     | 471                                                     |
| 354                   | 112                  | 9                    | 410                                                     | 428                                                     | 443                                                     |
| 355                   | 112                  | 33                   | 394                                                     | 407                                                     | 431                                                     |
| 356                   | 112                  | 54                   | 385                                                     | 391                                                     | 414                                                     |
| 357                   | 113                  | 15                   | 373                                                     | 379                                                     | 400                                                     |
| 358                   | 113                  | 36                   | 364                                                     | 369                                                     | 387                                                     |
| 359                   | 113                  | 57                   | 359                                                     | 361                                                     | 383                                                     |
| 360                   | 114                  | 16                   | 349                                                     | 358                                                     | 375                                                     |
| 361                   | 114                  | 39                   | 339                                                     | 353                                                     | 370                                                     |
| 362                   | 114                  | 57                   | 336                                                     | 350                                                     | 365                                                     |
| 363                   | 115                  | 21                   | 331                                                     | 350                                                     | 364                                                     |
| 364                   | 115                  | 47                   | 324                                                     | 351                                                     | 365                                                     |
| 365                   | 116                  | 4                    | 319                                                     | 343                                                     | 360                                                     |
| 366                   | 116                  | 25                   | 318                                                     | 340                                                     | 344                                                     |
| 367                   | 116                  | 46                   | 318                                                     | 329                                                     | 337                                                     |
| 368                   | 117                  | 22                   | 277                                                     | 287                                                     | 281                                                     |
| 369                   | 117                  | 56                   | 269                                                     | 270                                                     | 281                                                     |
| 370                   | 119                  | 14                   | 265                                                     | 265                                                     | 278                                                     |
| 371                   | 120                  | 39                   | 261                                                     | 262                                                     | 275                                                     |
| 372                   | 121                  | 1                    | 258                                                     | 251                                                     | 273                                                     |
| 373                   | 121                  | 22                   | 253                                                     | 250                                                     | 271                                                     |
| 374                   | 121                  | 44                   | 250                                                     | 251                                                     | 269                                                     |
| 375                   | 127                  | 25                   | 232                                                     | 235                                                     | 254                                                     |
| 376                   | 127                  | 47                   | 230                                                     | 233                                                     | 256                                                     |
| 377                   | 124                  | 8                    | 226                                                     | 229                                                     | 254                                                     |
| 378                   | 124                  | 30                   | 223                                                     | 226                                                     | 252                                                     |
| 379                   | 124                  | 52                   | 219                                                     | 224                                                     | 251                                                     |
| 380                   | 129                  | 31                   | 169                                                     | 170                                                     | 221                                                     |
| 381                   | 129                  | 55                   | 167                                                     | 176                                                     | 220                                                     |
| 382                   | 130                  | 16                   | 165                                                     | 175                                                     | 214                                                     |
| 383                   | 130                  | 38                   | 163                                                     | 173                                                     | 213                                                     |
| 384                   | 130                  | 59                   | 161                                                     | 171                                                     | 215                                                     |

| -01<br>SWEET<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.10<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 385                   | 131                  | 21                   | 150                                                     | 170                                                     | 215                                                      |
| 386                   | 140                  | 2                    | 129                                                     | 140                                                     | 191                                                      |
| 387                   | 140                  | 23                   | 129                                                     | 139                                                     | 191                                                      |
| 388                   | 140                  | 45                   | 129                                                     | 138                                                     | 191                                                      |
| 389                   | 141                  | 7                    | 129                                                     | 137                                                     | 192                                                      |
| 390                   | 141                  | 20                   | 126                                                     | 136                                                     | 191                                                      |
| 391                   | 149                  | 6                    | 118                                                     | 126                                                     | 173                                                      |
| 392                   | 149                  | 28                   | 117                                                     | 125                                                     | 179                                                      |
| 393                   | 150                  | 0                    | 117                                                     | 124                                                     | 179                                                      |
| 394                   | 150                  | 11                   | 116                                                     | 124                                                     | 178                                                      |
| 395                   | 150                  | 33                   | 116                                                     | 124                                                     | 178                                                      |
| 396                   | 150                  | 54                   | 116                                                     | 124                                                     | 178                                                      |

RUN 9, 41 TO 47°C, 9 JULY 1971

Soak time 4-1/2 hours

Test Synopsis:

This run presents good examples of the engine oil and engine nose gearbox oil overheat condition experienced during hover at high ambient air temperature.

Pertinent information.

Both engines have -13 fuel control and EAPS.

Defective test parameters not presented (unless indicated otherwise).

- 1-13 - Engine No. 2 power turbine speed.
- 4-13 - Second stage hydraulic pump outlet temperature.
- 5-15 - Accessory gearbox oil temperature.
- 6-13 - Engine No. 1 inlet lip surface temperature (12 o'clock position).
- 7-12 - Engine No. 1 compressor 3rd stage case temperature (3 o'clock position)
- 7-16 - Engine No. 1 compressor 4th stage case temperature (4:30 o'clock position)
- 7-19 - Engine No. 1 compressor 5th stage case temperature (3 o'clock position)
- 7-20 - Engine No. 1 compressor 5th stage case temperature (4:30 o'clock position)
- 8-28 - Engine No. 2 T<sub>5</sub> harness temperature (9 o'clock position).

Test parameters not connected or presented.

- 2-19 through 2-26 - Heater output airflow differential pressure (not presented).
- 3-05 through 3-12 - Heater output temperatures (not presented).
- 5-21 - Fuel temperature to heater (not presented).
- 6-05 and 6-06 - Engine fuel control discharge temperature (not connected).

Event Sheet:

| <u>CTR</u> | <u>Event</u>                                        |
|------------|-----------------------------------------------------|
| 32-35      | Initial instrumentation sweeps with aircraft closed |
| 36         | Personnel door opened                               |

**Note**

APP master circuit breaker would not stay closed because of heat buildup during soak in closed configuration. It operated normally after cooling

| <u>CTR</u> | <u>Event</u> |
|------------|--------------|
|------------|--------------|

|    |             |
|----|-------------|
| 57 | APP - start |
|----|-------------|

**Note**

Rpm oscillations occurred during the start because of air in the fuel line at the filter assembly.

|         |                                                                    |
|---------|--------------------------------------------------------------------|
| 81      | Engine No. 2 - start                                               |
| 89      | APCS servos - checked                                              |
| 90      | Engine No. 2 throttle - advance                                    |
| 92      | APP - off                                                          |
| 93      | Engine No. 1 - start                                               |
| 103     | EAPS - closed                                                      |
| 108     | Taxi; top half of personnel door open; ramp door open, ramp closed |
| 119     | Takeoff, hover upwind                                              |
| 131     | Engine No. 2 nose gearbox oil overheat caution light indication    |
| 171     | Engine No. 2 oil overheat                                          |
| 176     | Engine No. 1 oil overheat                                          |
| 192     | Low speed cruise for cooldown                                      |
| 198     | Hover upwind and crosswind                                         |
| 204     | Engine No. 2 nose gearbox oil overheat caution light indication    |
| 224     | Hover downwind                                                     |
| 249-257 | Series of landings and takeoffs                                    |
| 270-282 | Cruise                                                             |
| 293     | Autorotation to landing                                            |
| 297     | Takeoff                                                            |
| 302-305 | Refueling probe test                                               |
| 310     | Land                                                               |
| 315     | APP - start                                                        |
| 322     | Engines - shutdown; APP still running                              |
| 328     | Power loss to instrumentation; end test                            |



MM-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 32                    | 32                   | 9                    | 48                                          | *                            | *                                       | *                                  | *                                                         | 67                                                       | *                                       | *                                       | *                                  | 78                                                       |
| 33                    | 32                   | 30                   | 47                                          | *                            | *                                       | *                                  | *                                                         | 67                                                       | *                                       | *                                       | *                                  | 78                                                       |
| 34                    | 32                   | 52                   | 47                                          | *                            | *                                       | *                                  | *                                                         | 69                                                       | *                                       | *                                       | *                                  | 76                                                       |
| 35                    | 34                   | 43                   | 50                                          | *                            | 48                                      | *                                  | 5                                                         | 90                                                       | *                                       | 41                                      | *                                  | 93                                                       |
| 36                    | 35                   | 9                    | *                                           | *                            | *                                       | *                                  | *                                                         | *                                                        | *                                       | *                                       | *                                  | *                                                        |
| 37                    | 37                   | 32                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 50                                                       | *                                       | *                                       | *                                  | 58                                                       |
| 38                    | 37                   | 53                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 50                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 39                    | 39                   | 15                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 60                                                       |
| 40                    | 38                   | 36                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 41                    | 38                   | 58                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 50                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 42                    | 39                   | 19                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 60                                                       |
| 43                    | 39                   | 41                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 49                                                       | *                                       | *                                       | *                                  | 56                                                       |
| 44                    | 40                   | 2                    | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 60                                                       |
| 45                    | 40                   | 24                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 49                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 46                    | 40                   | 45                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 49                                                       | *                                       | *                                       | *                                  | 58                                                       |
| 47                    | 41                   | 7                    | 46                                          | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 48                    | 41                   | 20                   | 45                                          | *                            | *                                       | *                                  | *                                                         | 50                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 49                    | 41                   | 50                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 58                                                       |
| 50                    | 42                   | 11                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 58                                                       |
| 51                    | 42                   | 32                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 60                                                       |
| 52                    | 42                   | 54                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 53                                                       | *                                       | *                                       | *                                  | 60                                                       |
| 53                    | 43                   | 15                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 49                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 54                    | 43                   | 37                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 56                                                       |
| 55                    | 43                   | 58                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 45                                                       | *                                       | *                                       | *                                  | 54                                                       |
| 56                    | 44                   | 20                   | 47                                          | *                            | *                                       | *                                  | *                                                         | 43                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 57                    | 44                   | 41                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 48                                                       | *                                       | *                                       | *                                  | 56                                                       |
| 58                    | 45                   | 3                    | 46                                          | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 59                    | 45                   | 24                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 59                                                       |
| 60                    | 45                   | 46                   | 46                                          | *                            | *                                       | *                                  | *                                                         | 49                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 61                    | 46                   | 7                    | 48                                          | *                            | *                                       | *                                  | *                                                         | 55                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 62                    | 46                   | 28                   | 48                                          | *                            | *                                       | *                                  | *                                                         | 53                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 63                    | 46                   | 49                   | 48                                          | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 64                    | 47                   | 10                   | 48                                          | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 60                                                       |
| 65                    | 47                   | 32                   | 48                                          | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 66                    | 47                   | 53                   | 49                                          | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 67                    | 48                   | 14                   | 49                                          | *                            | *                                       | *                                  | *                                                         | 50                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 68                    | 48                   | 35                   | 49                                          | *                            | *                                       | *                                  | *                                                         | 53                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 69                    | 49                   | *                    | 49                                          | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 70                    | 49                   | 17                   | 49                                          | *                            | *                                       | *                                  | *                                                         | 53                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 71                    | 49                   | 38                   | 49                                          | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 72                    | 49                   | *                    | 49                                          | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 73                    | 50                   | 20                   | 49                                          | *                            | *                                       | *                                  | *                                                         | 50                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 74                    | 50                   | 41                   | 49                                          | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 75                    | 51                   | 2                    | 49                                          | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 76                    | 51                   | 24                   | 49                                          | *                            | 16                                      | *                                  | *                                                         | 50                                                       | *                                       | *                                       | *                                  | 61                                                       |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>FIND<br>FREE<br>AIP<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(I-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(I-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 77                    | 51                   | 45                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 78                    | 52                   | 6                    | 49                                           | *                            | *                                       | *                                  | *                                                         | *                                                        | *                                       | *                                       | *                                  | 61                                                       |
| 79                    | 52                   | 27                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 52                                                       | *                                       | *                                       | *                                  | 63                                                       |
| 80                    | 52                   | 48                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 53                                                       | *                                       | *                                       | *                                  | 61                                                       |
| 81                    | 53                   | 9                    | 49                                           | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | *                                       | *                                  | 64                                                       |
| 82                    | 53                   | 30                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 54                                                       | *                                       | 18                                      | *                                  | 61                                                       |
| 83                    | 53                   | 52                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 54                                                       | 41                                      | 191                                     | 182                                | 151                                                      |
| 84                    | *                    | *                    | *                                            | *                            | *                                       | *                                  | *                                                         | 54                                                       | 63                                      | 308                                     | 11                                 | 479                                                      |
| 85                    | 54                   | 34                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 53                                                       | 70                                      | 298                                     | 9                                  | 513                                                      |
| 86                    | 54                   | 55                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 52                                                       | 69                                      | 285                                     | 8                                  | 513                                                      |
| 87                    | *                    | 12                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 54                                                       | 70                                      | 295                                     | 8                                  | 519                                                      |
| 88                    | 55                   | 37                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 54                                                       | 69                                      | 293                                     | 7                                  | 523                                                      |
| 89                    | 55                   | 58                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 52                                                       | 69                                      | 295                                     | 7                                  | 525                                                      |
| 90                    | 56                   | 19                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 53                                                       | 69                                      | 291                                     | 7                                  | 525                                                      |
| 91                    | 56                   | 40                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 55                                                       | 73                                      | 380                                     | 12                                 | 546                                                      |
| 92                    | 57                   | 1                    | 49                                           | *                            | *                                       | *                                  | *                                                         | 50                                                       | 86                                      | 730                                     | 25                                 | 524                                                      |
| 93                    | 57                   | 22                   | 49                                           | *                            | *                                       | *                                  | *                                                         | 58                                                       | 89                                      | 783                                     | 30                                 | 550                                                      |
| 94                    | 57                   | 43                   | 49                                           | 21                           | 254                                     | *                                  | 6                                                         | 57                                                       | 89                                      | 797                                     | 31                                 | 545                                                      |
| 95                    | 58                   | 4                    | 49                                           | 53                           | 382                                     | 1                                  | 41                                                        | 332                                                      | 89                                      | 793                                     | 31                                 | 543                                                      |
| 96                    | 58                   | 25                   | 49                                           | 69                           | 488                                     | 4                                  | 68                                                        | 484                                                      | 94                                      | 772                                     | 29                                 | 543                                                      |
| 97                    | 59                   | 46                   | 49                                           | 86                           | 628                                     | 16                                 | 103                                                       | 476                                                      | 89                                      | 763                                     | 28                                 | 541                                                      |
| 98                    | 59                   | 7                    | 49                                           | 86                           | 788                                     | 30                                 | 106                                                       | 520                                                      | 87                                      | 601                                     | 15                                 | 498                                                      |
| 99                    | 59                   | 28                   | 49                                           | 80                           | 403                                     | 2                                  | 182                                                       | 465                                                      | 82                                      | 379                                     | *                                  | 465                                                      |
| 100                   | 59                   | 49                   | 49                                           | 91                           | 595                                     | 15                                 | *                                                         | 466                                                      | 90                                      | 763                                     | 29                                 | 519                                                      |
| 101                   | 60                   | 10                   | 49                                           | 91                           | 460                                     | 15                                 | *                                                         | 456                                                      | 86                                      | 568                                     | 13                                 | 493                                                      |
| 102                   | 60                   | 31                   | 49                                           | 92                           | 460                                     | 3                                  | 102                                                       | 456                                                      | 84                                      | 640                                     | 23                                 | 495                                                      |
| 103                   | 60                   | 52                   | 49                                           | 93                           | 494                                     | 9                                  | 102                                                       | 466                                                      | 87                                      | 638                                     | 20                                 | 490                                                      |
| 104                   | 61                   | 13                   | 49                                           | 85                           | 554                                     | 14                                 | 100                                                       | 470                                                      | 85                                      | 561                                     | 14                                 | 482                                                      |
| 105                   | 61                   | 34                   | 49                                           | 84                           | 557                                     | 14                                 | 101                                                       | 466                                                      | 85                                      | 561                                     | 15                                 | 479                                                      |
| 106                   | 61                   | 56                   | 49                                           | 85                           | 557                                     | 14                                 | *                                                         | 471                                                      | 85                                      | 557                                     | 14                                 | 479                                                      |
| 107                   | 62                   | 17                   | 49                                           | 85                           | 557                                     | 14                                 | 102                                                       | 466                                                      | 85                                      | 561                                     | 14                                 | 484                                                      |
| 108                   | 62                   | 38                   | 49                                           | 85                           | 554                                     | 14                                 | 108                                                       | 473                                                      | 86                                      | 557                                     | 14                                 | 478                                                      |
| 109                   | 62                   | *                    | 49                                           | 85                           | 582                                     | 17                                 | 102                                                       | 474                                                      | 86                                      | 582                                     | 15                                 | 500                                                      |
| 110                   | 63                   | 20                   | 49                                           | 85                           | 564                                     | 15                                 | 101                                                       | 467                                                      | 86                                      | 568                                     | 14                                 | 485                                                      |
| 111                   | 63                   | 42                   | 49                                           | 85                           | 585                                     | 17                                 | 100                                                       | 477                                                      | 86                                      | 501                                     | 19                                 | 498                                                      |
| 112                   | 64                   | 3                    | 50                                           | 85                           | 554                                     | 14                                 | 182                                                       | 476                                                      | 86                                      | 561                                     | 14                                 | 490                                                      |
| 113                   | 64                   | 24                   | 50                                           | 86                           | 551                                     | 16                                 | 180                                                       | 494                                                      | 86                                      | 561                                     | 14                                 | 499                                                      |
| 114                   | 64                   | 45                   | 51                                           | 85                           | 564                                     | 16                                 | 100                                                       | 477                                                      | 86                                      | 573                                     | 15                                 | 487                                                      |
| 115                   | 65                   | 7                    | 53                                           | 86                           | 559                                     | 14                                 | 100                                                       | 493                                                      | 85                                      | 559                                     | 13                                 | 508                                                      |
| 116                   | 65                   | 28                   | 53                                           | 86                           | 554                                     | *                                  | *                                                         | *                                                        | 86                                      | 554                                     | 14                                 | 485                                                      |
| 117                   | 65                   | 49                   | 53                                           | 86                           | 554                                     | 14                                 | 101                                                       | 468                                                      | 86                                      | 557                                     | 13                                 | 480                                                      |
| 118                   | 66                   | 10                   | 53                                           | 86                           | 557                                     | 16                                 | 101                                                       | 474                                                      | 86                                      | 564                                     | 13                                 | 510                                                      |
| 119                   | 66                   | 32                   | 52                                           | 86                           | 638                                     | 24                                 | 102                                                       | 478                                                      | 88                                      | 645                                     | 25                                 | 492                                                      |
| 120                   | 66                   | 53                   | 52                                           | 94                           | 1241                                    | 71                                 | 100                                                       | 649                                                      | 95                                      | 1204                                    | 71                                 | 649                                                      |
| 121                   | 67                   | 14                   | 52                                           | 95                           | 1271                                    | 73                                 | 160                                                       | 652                                                      | 95                                      | 1248                                    | 74                                 | 668                                                      |
| 122                   | 67                   | 36                   | 51                                           | 96                           | 1262                                    | 73                                 | 102                                                       | 662                                                      | 95                                      | 1232                                    | 71                                 | 666                                                      |
| 123                   | 67                   | 57                   | 51                                           | *                            | *                                       | 75                                 | 101                                                       | 653                                                      | 94                                      | 1230                                    | 73                                 | 660                                                      |
| 124                   | 67                   | 13                   | 51                                           | 95                           | 1285                                    | 74                                 | 100                                                       | 651                                                      | 96                                      | 1248                                    | 74                                 | 656                                                      |
| 125                   | 68                   | 39                   | 51                                           | 95                           | 1290                                    | 75                                 | 100                                                       | 651                                                      | 97                                      | 1284                                    | 75                                 | 662                                                      |
| 126                   | 69                   | 1                    | 50                                           | 96                           | 1313                                    | 78                                 | 100                                                       | 663                                                      | 96                                      | 1260                                    | 77                                 | 665                                                      |

| -01-<br>SNEEF<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(INJ)<br>PERCENT | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(INJ)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------|--------------------------------------------------|
| 127                    | 69                   | 22                   | 51                                          | 97                                       | 1327                                    | 77                                 | 100                                                       | 669                                                      | 96                                       | 1278                                    | 78                                 | 672                                              |
| 128                    | 69                   | 43                   | 50                                          | 97                                       | 1301                                    | 76                                 | 100                                                       | 669                                                      | 96                                       | 1260                                    | 76                                 | 664                                              |
| 129                    | 70                   | 5                    | 50                                          | 96                                       | 129                                     | 79                                 | 101                                                       | 665                                                      | 96                                       | 1262                                    | 78                                 | 676                                              |
| 130                    | 73                   | 26                   | 51                                          | 99                                       | 1336                                    | 78                                 | 101                                                       | 674                                                      | 96                                       | 1269                                    | 78                                 | 676                                              |
| 131                    | 70                   | 47                   | 50                                          | 96                                       | 1289                                    | 76                                 | 100                                                       | 664                                                      | 96                                       | 1255                                    | 76                                 | 667                                              |
| 132                    | 71                   | 8                    | 50                                          | 96                                       | 1308                                    | 77                                 | 100                                                       | 658                                                      | 96                                       | 1271                                    | 77                                 | 662                                              |
| 133                    | 71                   | 30                   | 50                                          | 98                                       | 1304                                    | 76                                 | 101                                                       | 667                                                      | 96                                       | 1262                                    | 74                                 | 664                                              |
| 134                    | 71                   | 51                   | 50                                          | 96                                       | 1285                                    | 75                                 | 101                                                       | 653                                                      | 96                                       | 1251                                    | 75                                 | 656                                              |
| 135                    | 72                   | 12                   | 50                                          | 96                                       | 1269                                    | 72                                 | 102                                                       | 653                                                      | 96                                       | 1251                                    | 75                                 | 664                                              |
| 136                    | 72                   | 33                   | 50                                          | 97                                       | 1318                                    | 77                                 | 101                                                       | 670                                                      | 96                                       | 1274                                    | 75                                 | 672                                              |
| 137                    | 71                   | 54                   | 50                                          | 94                                       | 1283                                    | 74                                 | 100                                                       | 662                                                      | 95                                       | 1246                                    | 73                                 | 662                                              |
| 138                    | 73                   | 16                   | 50                                          | 97                                       | 1380                                    | 81                                 | 100                                                       | 675                                                      | 96                                       | 1255                                    | 78                                 | 681                                              |
| 139                    | 73                   | 37                   | 50                                          | 96                                       | 1331                                    | 78                                 | 101                                                       | 688                                                      | 97                                       | 1271                                    | 73                                 | 687                                              |
| 140                    | 73                   | 58                   | 50                                          | 97                                       | 1392                                    | 83                                 | 100                                                       | 684                                                      | 99                                       | 1352                                    | 88                                 | 690                                              |
| 141                    | 74                   | 19                   | 50                                          | 97                                       | 1304                                    | 76                                 | 101                                                       | 664                                                      | 96                                       | 1301                                    | 81                                 | 676                                              |
| 142                    | 74                   | 41                   | 50                                          | 96                                       | 1288                                    | 75                                 | 101                                                       | 656                                                      | 96                                       | 1283                                    | 76                                 | 672                                              |
| 143                    | 75                   | 2                    | 50                                          | 95                                       | 1271                                    | 73                                 | 101                                                       | 652                                                      | 96                                       | 1260                                    | 76                                 | 662                                              |
| 144                    | 75                   | 23                   | 50                                          | 96                                       | 1285                                    | 76                                 | 101                                                       | 652                                                      | 96                                       | 1281                                    | 78                                 | 672                                              |
| 145                    | 75                   | 44                   | 50                                          | 98                                       | 1352                                    | 83                                 | 100                                                       | 672                                                      | 97                                       | 1276                                    | 80                                 | 680                                              |
| 146                    | 76                   | 6                    | 50                                          | 96                                       | 1317                                    | 77                                 | 100                                                       | 674                                                      | 96                                       | 1276                                    | 74                                 | 674                                              |
| 147                    | 76                   | 27                   | 50                                          | 96                                       | 1329                                    | 80                                 | 102                                                       | 674                                                      | 96                                       | 1290                                    | 80                                 | 683                                              |
| 148                    | 76                   | 58                   | 50                                          | 96                                       | 1318                                    | 76                                 | 100                                                       | 667                                                      | 97                                       | 1230                                    | 70                                 | 676                                              |
| 149                    | 77                   | 9                    | 50                                          | 96                                       | 1311                                    | 76                                 | 100                                                       | 667                                                      | 97                                       | 1239                                    | 72                                 | 674                                              |
| 150                    | 77                   | 31                   | 51                                          | 96                                       | 1320                                    | 76                                 | 101                                                       | 674                                                      | 96                                       | 1246                                    | 74                                 | 672                                              |
| 151                    | 77                   | 52                   | 51                                          | 97                                       | 1343                                    | 80                                 | 100                                                       | 660                                                      | 97                                       | 1281                                    | 76                                 | 677                                              |
| 152                    | 78                   | 13                   | 51                                          | 98                                       | 1392                                    | 84                                 | 100                                                       | 689                                                      | 97                                       | 1322                                    | 83                                 | 687                                              |
| 153                    | 78                   | 34                   | 51                                          | 96                                       | 1459                                    | *                                  | *                                                         | *                                                        | *                                        | *                                       | 90                                 | 697                                              |
| 154                    | 78                   | 56                   | 51                                          | 97                                       | 1334                                    | 84                                 | 100                                                       | 662                                                      | 96                                       | 1322                                    | 86                                 | 664                                              |
| 155                    | 79                   | 17                   | 51                                          | 98                                       | 1396                                    | 83                                 | 100                                                       | 693                                                      | 98                                       | 1348                                    | 83                                 | 697                                              |
| 156                    | 79                   | 38                   | 50                                          | 94                                       | 1165                                    | 59                                 | 102                                                       | 649                                                      | 95                                       | 1160                                    | 61                                 | 647                                              |
| 157                    | 79                   | 59                   | 51                                          | 96                                       | 1382                                    | 81                                 | 102                                                       | 687                                                      | 96                                       | 1350                                    | 83                                 | 681                                              |
| 158                    | 80                   | 21                   | 51                                          | 96                                       | 1345                                    | 79                                 | 101                                                       | 669                                                      | 96                                       | 1329                                    | 81                                 | 682                                              |
| 159                    | 80                   | 42                   | 51                                          | 97                                       | 1225                                    | 58                                 | 102                                                       | 649                                                      | 95                                       | 1216                                    | 72                                 | 660                                              |
| 160                    | 81                   | 3                    | 51                                          | 96                                       | 1301                                    | 76                                 | 102                                                       | 663                                                      | 96                                       | 1276                                    | 78                                 | 675                                              |
| 161                    | 81                   | 25                   | 51                                          | 96                                       | 1323                                    | 80                                 | 97                                                        | 660                                                      | 97                                       | 1297                                    | 81                                 | 674                                              |
| 162                    | 81                   | 46                   | 51                                          | 97                                       | 1343                                    | 78                                 | 98                                                        | 677                                                      | 97                                       | 1327                                    | 79                                 | 681                                              |
| 163                    | 82                   | 8                    | 51                                          | 97                                       | 1373                                    | 79                                 | 102                                                       | 693                                                      | 96                                       | 1294                                    | 75                                 | 686                                              |
| 164                    | 82                   | 29                   | 52                                          | 97                                       | 1353                                    | 79                                 | 100                                                       | 691                                                      | 97                                       | 1241                                    | 75                                 | 695                                              |
| 165                    | 82                   | 50                   | 52                                          | 96                                       | 1338                                    | 81                                 | 100                                                       | 680                                                      | 97                                       | 1288                                    | 81                                 | 687                                              |
| 166                    | 83                   | 11                   | 52                                          | 96                                       | 1311                                    | 78                                 | 102                                                       | 663                                                      | 96                                       | 1297                                    | 78                                 | 674                                              |
| 167                    | 83                   | 33                   | 52                                          | 96                                       | 1338                                    | 80                                 | 99                                                        | 675                                                      | 97                                       | 1322                                    | 81                                 | 681                                              |
| 168                    | 83                   | 54                   | 51                                          | 97                                       | 1357                                    | 80                                 | 99                                                        | 704                                                      | 97                                       | 1331                                    | 84                                 | 705                                              |
| 169                    | 84                   | 15                   | 52                                          | 98                                       | 1358                                    | 88                                 | 99                                                        | 704                                                      | 97                                       | 1334                                    | 84                                 | 712                                              |
| 170                    | 84                   | 37                   | 52                                          | 99                                       | 1359                                    | 81                                 | 99                                                        | 708                                                      | 97                                       | 1355                                    | 86                                 | 704                                              |
| 171                    | 84                   | 58                   | 52                                          | 97                                       | 1350                                    | 81                                 | 99                                                        | 710                                                      | 98                                       | 1343                                    | 86                                 | 707                                              |
| 172                    | 85                   | 20                   | 52                                          | 98                                       | 1366                                    | 81                                 | 99                                                        | 704                                                      | 97                                       | 1348                                    | 83                                 | 701                                              |
| 173                    | 85                   | 41                   | 52                                          | 97                                       | 1355                                    | 81                                 | 99                                                        | 704                                                      | *                                        | 1343                                    | 87                                 | 702                                              |
| 174                    | 86                   | 2                    | 52                                          | 99                                       | 1359                                    | 77                                 | 100                                                       | 709                                                      | *                                        | 1348                                    | 83                                 | 711                                              |
| 175                    | 86                   | 24                   | 53                                          | 97                                       | 1350                                    | 80                                 | 99                                                        | 709                                                      | 99                                       | 1320                                    | 81                                 | 704                                              |
| 176                    | 86                   | 45                   | 53                                          | 97                                       | 1343                                    | 80                                 | 98                                                        | 703                                                      | 99                                       | 1313                                    | 83                                 | 699                                              |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(1-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(1-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 177                   | 67                   | 7                    | 53                                          | 98                           | 1352                                    | 82                                 | 100                                                       | 709                                                      | 98                                      | 1325                                    | 82                                 | 709                                                      |
| 178                   | 67                   | 28                   | 54                                          | 98                           | 1338                                    | 79                                 | 100                                                       | 701                                                      | 98                                      | 1318                                    | 81                                 | 702                                                      |
| 179                   | 67                   | 49                   | 54                                          | 98                           | 1313                                    | 78                                 | 100                                                       | 699                                                      | 98                                      | 1313                                    | 80                                 | 691                                                      |
| 180                   | 68                   | 11                   | 54                                          | 98                           | 1320                                    | 79                                 | 100                                                       | 687                                                      | 97                                      | 1313                                    | 82                                 | 692                                                      |
| 181                   | 68                   | 32                   | 54                                          | 99                           | 1345                                    | 81                                 | 99                                                        | 705                                                      | 98                                      | 1350                                    | 85                                 | 714                                                      |
| 182                   | 68                   | 54                   | 54                                          | 97                           | 1315                                    | 78                                 | *                                                         | 695                                                      | 98                                      | 1324                                    | 85                                 | 701                                                      |
| 183                   | 69                   | 15                   | 54                                          | 98                           | 1341                                    | *                                  | 99                                                        | 693                                                      | 99                                      | 1320                                    | 77                                 | 735                                                      |
| 184                   | 69                   | 36                   | 54                                          | 98                           | 1274                                    | 75                                 | 100                                                       | 657                                                      | 97                                      | 1297                                    | 80                                 | 676                                                      |
| 185                   | 69                   | 58                   | 53                                          | 97                           | 1396                                    | 84                                 | 100                                                       | 679                                                      | 98                                      | 1382                                    | 88                                 | 689                                                      |
| 186                   | 90                   | 19                   | 51                                          | 96                           | 1278                                    | 74                                 | *                                                         | 652                                                      | 96                                      | 1264                                    | 76                                 | 661                                                      |
| 187                   | 90                   | 40                   | 51                                          | 95                           | 1156                                    | 65                                 | 102                                                       | 622                                                      | 94                                      | 1177                                    | 70                                 | 637                                                      |
| 188                   | 91                   | 1                    | 48                                          | 92                           | 1001                                    | 52                                 | 103                                                       | 585                                                      | 93                                      | 1024                                    | 56                                 | 609                                                      |
| 189                   | 91                   | 22                   | 47                                          | 90                           | 897                                     | 42                                 | 102                                                       | 556                                                      | 92                                      | 918                                     | 45                                 | 581                                                      |
| 190                   | 91                   | 43                   | 46                                          | 90                           | 881                                     | 41                                 | 102                                                       | 544                                                      | 92                                      | 915                                     | 46                                 | 573                                                      |
| 191                   | 92                   | 4                    | 46                                          | 96                           | 892                                     | 42                                 | 103                                                       | 544                                                      | 92                                      | 924                                     | 47                                 | 573                                                      |
| 192                   | 92                   | 25                   | 46                                          | 91                           | 890                                     | 42                                 | 103                                                       | 544                                                      | 91                                      | 924                                     | 42                                 | 569                                                      |
| 193                   | 92                   | 46                   | 46                                          | 89                           | 753                                     | 31                                 | 103                                                       | 520                                                      | 90                                      | 786                                     | 33                                 | 565                                                      |
| 194                   | 93                   | 7                    | 47                                          | 88                           | 696                                     | 23                                 | 103                                                       | 502                                                      | 88                                      | 709                                     | 23                                 | 524                                                      |
| 195                   | 93                   | 28                   | 46                                          | 90                           | 825                                     | 37                                 | 102                                                       | 520                                                      | 90                                      | 823                                     | 37                                 | 536                                                      |
| 196                   | 93                   | 49                   | 47                                          | 91                           | 878                                     | 41                                 | 102                                                       | 543                                                      | 90                                      | 874                                     | 42                                 | 524                                                      |
| 197                   | 94                   | 11                   | 47                                          | 90                           | 797                                     | 35                                 | 103                                                       | 525                                                      | 90                                      | 832                                     | 39                                 | 548                                                      |
| 198                   | 94                   | 32                   | 47                                          | 94                           | 1186                                    | 74                                 | 101                                                       | 622                                                      | 95                                      | 1209                                    | 80                                 | 635                                                      |
| 199                   | 94                   | 53                   | 47                                          | 99                           | 1579                                    | 96                                 | 100                                                       | 714                                                      | 97                                      | 1452                                    | 93                                 | 709                                                      |
| 200                   | 95                   | 15                   | 47                                          | 98                           | 1530                                    | 94                                 | 100                                                       | 711                                                      | 98                                      | 1459                                    | 92                                 | 712                                                      |
| 201                   | 95                   | 36                   | 48                                          | 98                           | 1507                                    | 93                                 | 100                                                       | 703                                                      | 98                                      | 1451                                    | 92                                 | 697                                                      |
| 202                   | 95                   | 57                   | 48                                          | 100                          | 1473                                    | 90                                 | 100                                                       | 695                                                      | 97                                      | 1436                                    | 93                                 | 701                                                      |
| 203                   | 96                   | 19                   | 48                                          | 98                           | 1464                                    | 90                                 | 101                                                       | 701                                                      | 98                                      | 1447                                    | 92                                 | 705                                                      |
| 204                   | 96                   | 40                   | 48                                          | 98                           | 1493                                    | 92                                 | 102                                                       | 699                                                      | 98                                      | 1445                                    | 94                                 | 702                                                      |
| 205                   | 97                   | 1                    | 48                                          | 99                           | 1486                                    | 92                                 | 100                                                       | 699                                                      | 98                                      | 1447                                    | 94                                 | 700                                                      |
| 206                   | 97                   | 23                   | 48                                          | 98                           | 1463                                    | 89                                 | 100                                                       | 699                                                      | 97                                      | 1429                                    | 92                                 | 699                                                      |
| 207                   | 97                   | 44                   | 48                                          | 98                           | 1484                                    | 91                                 | 100                                                       | 691                                                      | 97                                      | 1454                                    | 95                                 | 699                                                      |
| 208                   | 98                   | 5                    | 48                                          | 97                           | 1463                                    | 90                                 | 100                                                       | 691                                                      | 97                                      | 1431                                    | 93                                 | 699                                                      |
| 209                   | 98                   | 27                   | 48                                          | 98                           | 1452                                    | 88                                 | 102                                                       | 696                                                      | 96                                      | 1417                                    | 90                                 | 695                                                      |
| 210                   | 98                   | 48                   | 48                                          | 97                           | 1412                                    | 85                                 | 102                                                       | 683                                                      | 97                                      | 1373                                    | 87                                 | 695                                                      |
| 211                   | 99                   | 9                    | 48                                          | 98                           | 1424                                    | 87                                 | 100                                                       | 684                                                      | 97                                      | 1385                                    | 88                                 | 687                                                      |
| 212                   | 99                   | 31                   | 48                                          | 98                           | 1426                                    | 87                                 | 102                                                       | 682                                                      | 97                                      | 1392                                    | 88                                 | 695                                                      |
| 213                   | 99                   | 52                   | 48                                          | 97                           | 1449                                    | 89                                 | 100                                                       | 691                                                      | 97                                      | 1419                                    | 91                                 | 690                                                      |
| 214                   | 100                  | 13                   | 48                                          | 98                           | 1549                                    | 97                                 | 100                                                       | 711                                                      | 98                                      | 1498                                    | 99                                 | 707                                                      |
| 215                   | 100                  | 34                   | 47                                          | 97                           | 1412                                    | 88                                 | 100                                                       | 675                                                      | 97                                      | 1366                                    | 88                                 | 677                                                      |
| 216                   | 100                  | 56                   | 47                                          | 99                           | 1498                                    | 93                                 | 100                                                       | 700                                                      | 97                                      | 1426                                    | 92                                 | 691                                                      |
| 217                   | 101                  | 17                   | 48                                          | 97                           | 1442                                    | 88                                 | 102                                                       | 688                                                      | 97                                      | 1375                                    | 88                                 | 687                                                      |
| 218                   | 101                  | 38                   | 48                                          | 96                           | 1770                                    | 85                                 | 99                                                        | 674                                                      | 96                                      | 1354                                    | 89                                 | 680                                                      |
| 219                   | 102                  | 0                    | 48                                          | 98                           | 1429                                    | 87                                 | 98                                                        | 693                                                      | 95                                      | 1357                                    | 86                                 | 690                                                      |
| 220                   | 102                  | 21                   | 48                                          | 99                           | 1433                                    | 89                                 | 97                                                        | 682                                                      | 97                                      | 1380                                    | 91                                 | 682                                                      |
| 221                   | 102                  | 43                   | 48                                          | 98                           | 1484                                    | 93                                 | 97                                                        | 656                                                      | 95                                      | 1399                                    | 91                                 | 689                                                      |
| 222                   | 103                  | 4                    | 48                                          | 96                           | 1417                                    | 88                                 | 98                                                        | 683                                                      | 96                                      | 1366                                    | 88                                 | 682                                                      |
| 223                   | 103                  | 26                   | 47                                          | 97                           | 1405                                    | 86                                 | 98                                                        | 682                                                      | 97                                      | 1373                                    | 88                                 | 687                                                      |
| 224                   | 103                  | 47                   | 47                                          | 97                           | 1443                                    | 90                                 | 100                                                       | 687                                                      | 97                                      | 1399                                    | 88                                 | 689                                                      |
| 225                   | 104                  | 8                    | 47                                          | 97                           | 1403                                    | 85                                 | 100                                                       | 682                                                      | 97                                      | 1380                                    | 86                                 | 687                                                      |
| 226                   | 104                  | 30                   | 48                                          | 99                           | 1553                                    | 101                                | 98                                                        | 714                                                      | 98                                      | 1533                                    | 102                                | 722                                                      |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG.1<br>RPM<br>(NG) | 1-06<br>ENG.1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG.1<br>TORQUE<br>PERCENT | 1-08<br>ENG.1<br>POWER<br>TURB<br>SPEED<br>RPM<br>PERCENT | 1-09<br>ENG.1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG.2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG.2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG.2<br>TORQUE<br>PERCENT | 1-14<br>ENG.2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|------------------------------|-----------------------------------------|------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-----------------------------------------|------------------------------------|----------------------------------------------------------|
| 227                   | 104                  | 51                   | 46                                          | 98                           | 1426                                    | 80                                 | *                                                         | 687                                                      | 96                                      | 1410                                    | 98                                 | 700                                                      |
| 228                   | 105                  | 12                   | 49                                          | 97                           | 1526                                    | 96                                 | 102                                                       | 713                                                      | 98                                      | 1486                                    | 96                                 | 691                                                      |
| 229                   | 106                  | 34                   | 49                                          | 98                           | 1473                                    | 91                                 | 100                                                       | 701                                                      | 97                                      | 1438                                    | 90                                 | 704                                                      |
| 230                   | 105                  | 55                   | 50                                          | 97                           | 1487                                    | 87                                 | 100                                                       | 699                                                      | 98                                      | 1415                                    | 87                                 | 701                                                      |
| 231                   | 106                  | 16                   | 51                                          | 98                           | 1488                                    | 90                                 | 100                                                       | 699                                                      | 98                                      | 1424                                    | 89                                 | 701                                                      |
| 232                   | 106                  | 38                   | 51                                          | 97                           | 1423                                    | 88                                 | 100                                                       | 687                                                      | *                                       | 1382                                    | 86                                 | 710                                                      |
| 233                   | 106                  | 59                   | 51                                          | 98                           | 1484                                    | 93                                 | 102                                                       | 696                                                      | 98                                      | 1449                                    | 92                                 | 704                                                      |
| 234                   | 107                  | 20                   | 51                                          | 98                           | 1489                                    | 93                                 | 100                                                       | 696                                                      | 97                                      | 1461                                    | 93                                 | 706                                                      |
| 235                   | 107                  | 42                   | 52                                          | 99                           | 1489                                    | 93                                 | 100                                                       | 704                                                      | *                                       | 1456                                    | 93                                 | 707                                                      |
| 236                   | 108                  | 3                    | 52                                          | 98                           | 1470                                    | 90                                 | 100                                                       | 696                                                      | 97                                      | 1436                                    | 92                                 | 707                                                      |
| 237                   | 108                  | 26                   | 52                                          | 98                           | 1466                                    | 89                                 | 100                                                       | 701                                                      | 98                                      | 1419                                    | 88                                 | 706                                                      |
| 238                   | 108                  | 46                   | 53                                          | 97                           | 1466                                    | 91                                 | 100                                                       | 699                                                      | 98                                      | 1436                                    | 90                                 | 701                                                      |
| 239                   | 109                  | 7                    | 53                                          | 98                           | 1473                                    | 91                                 | 100                                                       | 704                                                      | 97                                      | 1440                                    | 92                                 | 704                                                      |
| 240                   | 109                  | 28                   | 53                                          | 97                           | 1473                                    | 91                                 | 100                                                       | 698                                                      | 98                                      | 1438                                    | 92                                 | 700                                                      |
| 241                   | 109                  | 50                   | 53                                          | 98                           | 1479                                    | 92                                 | 100                                                       | 690                                                      | 98                                      | 1447                                    | 93                                 | 701                                                      |
| 242                   | 110                  | 11                   | 53                                          | 97                           | 1447                                    | 89                                 | 100                                                       | 690                                                      | 97                                      | 1412                                    | 89                                 | 697                                                      |
| 243                   | 110                  | 32                   | 54                                          | 98                           | 1479                                    | 92                                 | 100                                                       | 690                                                      | 97                                      | 1449                                    | 93                                 | 702                                                      |
| 244                   | 110                  | 54                   | 54                                          | 97                           | 1473                                    | 91                                 | 100                                                       | 698                                                      | 98                                      | 1436                                    | 93                                 | 702                                                      |
| 245                   | 111                  | 15                   | 54                                          | 97                           | 1484                                    | 92                                 | *                                                         | 695                                                      | 99                                      | 1449                                    | 92                                 | 699                                                      |
| 246                   | 111                  | 37                   | 53                                          | 98                           | 1510                                    | 94                                 | 100                                                       | 701                                                      | 97                                      | 1442                                    | 89                                 | 707                                                      |
| 247                   | 111                  | 58                   | 53                                          | 97                           | 1422                                    | 87                                 | 100                                                       | 678                                                      | 97                                      | 1392                                    | 86                                 | 692                                                      |
| 248                   | 112                  | 19                   | 53                                          | 98                           | 1419                                    | 86                                 | 99                                                        | 680                                                      | 97                                      | 1375                                    | 86                                 | 690                                                      |
| 249                   | 112                  | 41                   | 53                                          | 98                           | 1470                                    | 91                                 | 99                                                        | 688                                                      | 97                                      | 1412                                    | 92                                 | 692                                                      |
| 250                   | 113                  | 2                    | 52                                          | 97                           | 1322                                    | 79                                 | 101                                                       | 672                                                      | 95                                      | 1294                                    | 80                                 | 678                                                      |
| 251                   | 113                  | 23                   | 52                                          | 96                           | 1285                                    | 76                                 | 100                                                       | 682                                                      | 96                                      | 1251                                    | 75                                 | 661                                                      |
| 252                   | 113                  | 44                   | 52                                          | 94                           | 1077                                    | 57                                 | 101                                                       | 625                                                      | 92                                      | 1038                                    | 54                                 | 621                                                      |
| 253                   | 114                  | 5                    | 52                                          | 88                           | 571                                     | 17                                 | 102                                                       | 496                                                      | 85                                      | 534                                     | 12                                 | 498                                                      |
| 254                   | 114                  | 25                   | 51                                          | 85                           | 571                                     | 17                                 | 102                                                       | 484                                                      | 86                                      | 534                                     | 12                                 | 484                                                      |
| 255                   | 114                  | 44                   | 50                                          | 86                           | 573                                     | 18                                 | 102                                                       | 478                                                      | 86                                      | 537                                     | 15                                 | 477                                                      |
| 256                   | 115                  | 9                    | 51                                          | 87                           | 545                                     | 13                                 | 102                                                       | 458                                                      | 86                                      | 501                                     | 15                                 | 487                                                      |
| 257                   | 115                  | 30                   | 50                                          | 86                           | 634                                     | 22                                 | 105                                                       | 479                                                      | 88                                      | 726                                     | 26                                 | 512                                                      |
| 258                   | 115                  | 51                   | 50                                          | 86                           | 986                                     | 53                                 | 102                                                       | 574                                                      | 93                                      | 1077                                    | 99                                 | 599                                                      |
| 259                   | 116                  | 12                   | 49                                          | 96                           | 1496                                    | 98                                 | 102                                                       | 679                                                      | 98                                      | 1516                                    | 99                                 | 699                                                      |
| 260                   | 116                  | 33                   | 46                                          | 99                           | 1595                                    | 104                                | *                                                         | 729                                                      | 98                                      | 1567                                    | 102                                | 730                                                      |
| 261                   | 116                  | 54                   | 43                                          | 97                           | 1343                                    | 82                                 | 102                                                       | 682                                                      | 96                                      | 1334                                    | 82                                 | 686                                                      |
| 262                   | 117                  | 15                   | 41                                          | 97                           | 1341                                    | 82                                 | 100                                                       | 678                                                      | 96                                      | 1322                                    | 83                                 | 681                                                      |
| 263                   | 117                  | 37                   | 40                                          | 97                           | 1341                                    | 83                                 | 101                                                       | 679                                                      | 96                                      | 1301                                    | 81                                 | 680                                                      |
| 264                   | 117                  | 58                   | 39                                          | 83                           | 795                                     | 37                                 | 103                                                       | 551                                                      | 90                                      | 811                                     | 37                                 | 575                                                      |
| 265                   | 118                  | 19                   | 40                                          | 89                           | 743                                     | 34                                 | 103                                                       | 527                                                      | 90                                      | 788                                     | 36                                 | 548                                                      |
| 266                   | 118                  | 40                   | 40                                          | 88                           | 744                                     | 32                                 | 103                                                       | 515                                                      | 89                                      | 809                                     | 37                                 | 548                                                      |
| 267                   | 119                  | 1                    | 40                                          | 89                           | 723                                     | 30                                 | 104                                                       | 507                                                      | 90                                      | 811                                     | 36                                 | 548                                                      |
| 268                   | 119                  | 22                   | 41                                          | 89                           | 770                                     | 34                                 | 104                                                       | 514                                                      | 91                                      | 788                                     | 34                                 | 545                                                      |
| 269                   | 119                  | 43                   | 41                                          | 90                           | 774                                     | 34                                 | 104                                                       | 517                                                      | 91                                      | 788                                     | 33                                 | 543                                                      |
| 270                   | 120                  | 4                    | 41                                          | 88                           | 728                                     | 30                                 | 104                                                       | 515                                                      | 88                                      | 735                                     | 27                                 | 541                                                      |
| 271                   | 120                  | 25                   | 42                                          | 86                           | 731                                     | 42                                 | 103                                                       | 514                                                      | 89                                      | 785                                     | 41                                 | 529                                                      |
| 272                   | 120                  | 46                   | 44                                          | 93                           | 1029                                    | 59                                 | 102                                                       | 590                                                      | 92                                      | 994                                     | 44                                 | 583                                                      |
| 273                   | 121                  | 7                    | 45                                          | 92                           | 1015                                    | 54                                 | 105                                                       | 584                                                      | 92                                      | 975                                     | 50                                 | 589                                                      |
| 274                   | 121                  | 20                   | 46                                          | 92                           | 1012                                    | 53                                 | 102                                                       | 584                                                      | 93                                      | 973                                     | 50                                 | 589                                                      |
| 275                   | 121                  | 49                   | 46                                          | 92                           | 1011                                    | 53                                 | 103                                                       | 579                                                      | 94                                      | 968                                     | 50                                 | 595                                                      |
| 276                   | 122                  | 10                   | 47                                          | 92                           | 1017                                    | 54                                 | 103                                                       | 582                                                      | 92                                      | 982                                     | 53                                 | 598                                                      |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-04<br>IND<br>FREE<br>AIR<br>TEMP<br>DEG.C | 1-05<br>ENG. 1<br>RPM<br>(NG) | 1-06<br>ENG. 1<br>FUEL<br>FLOW<br>LBS/HR | 1-07<br>ENG. 1<br>TORQUE<br>PERCENT | 1-08<br>ENG. 1<br>POWER<br>TURB<br>SPEED<br>PERCENT | 1-09<br>ENG. 1<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C | 1-10<br>ENG. 2<br>RPM<br>(NG)<br>PERCENT | 1-11<br>ENG. 2<br>FUEL<br>FLOW<br>LBS/HR | 1-12<br>ENG. 2<br>TORQUE<br>PERCENT | 1-14<br>ENG. 2<br>TURB<br>INLET<br>TEMP<br>(T-5)<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------|-------------------------------|------------------------------------------|-------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------|-----------------------------------------------------------|
| 277                   | 122                  | 31                   | 47                                          | 92                            | 1010                                     | 54                                  | 103                                                 | 567                                                       | 93                                       | 978                                      | 50                                  | 586                                                       |
| 278                   | 122                  | 32                   | 46                                          | 87                            | 663                                      | 22                                  | 105                                                 | 507                                                       | 88                                       | 635                                      | 17                                  | 520                                                       |
| 279                   | 123                  | 13                   | 45                                          | 87                            | 517                                      | 20                                  | 103                                                 | 476                                                       | 86                                       | 610                                      | 16                                  | 489                                                       |
| 280                   | 123                  | 34                   | 45                                          | 92                            | 1066                                     | 58                                  | 102                                                 | 602                                                       | 92                                       | 1085                                     | 54                                  | 591                                                       |
| 281                   | 123                  | 55                   | 45                                          | 95                            | 1225                                     | 74                                  | 101                                                 | 638                                                       | 92                                       | 1177                                     | 71                                  | 640                                                       |
| 282                   | 124                  | 16                   | 45                                          | 94                            | 1183                                     | 69                                  | 103                                                 | 642                                                       | 94                                       | 1119                                     | 65                                  | 635                                                       |
| 283                   | 124                  | 37                   | 45                                          | 94                            | 1017                                     | 53                                  | 103                                                 | 598                                                       | 94                                       | 996                                      | 50                                  | 600                                                       |
| 284                   | 124                  | 58                   | 45                                          | 92                            | 1024                                     | 55                                  | 103                                                 | 587                                                       | 92                                       | 1008                                     | 54                                  | 601                                                       |
| 285                   | 125                  | 19                   | 45                                          | 92                            | 1010                                     | 54                                  | 103                                                 | 585                                                       | 92                                       | 996                                      | 53                                  | 595                                                       |
| 286                   | 125                  | 41                   | 45                                          | 96                            | 1341                                     | 82                                  | 101                                                 | 683                                                       | 96                                       | 1288                                     | 83                                  | 662                                                       |
| 287                   | 126                  | 2                    | 45                                          | 96                            | 1322                                     | 81                                  | 103                                                 | 665                                                       | 97                                       | 1274                                     | 81                                  | 678                                                       |
| 288                   | 126                  | 23                   | 44                                          | 92                            | 992                                      | 53                                  | 104                                                 | 594                                                       | 92                                       | 971                                      | 51                                  | 608                                                       |
| 289                   | 126                  | 44                   | 44                                          | 93                            | 985                                      | 52                                  | 103                                                 | 584                                                       | 91                                       | 971                                      | 51                                  | 599                                                       |
| 290                   | 127                  | 5                    | 44                                          | 92                            | 987                                      | 52                                  | 103                                                 | 582                                                       | 92                                       | 971                                      | 52                                  | 591                                                       |
| 291                   | 127                  | 26                   | 44                                          | 91                            | 973                                      | 52                                  | 103                                                 | 545                                                       | 92                                       | 971                                      | 51                                  | 588                                                       |
| 292                   | 127                  | 47                   | 43                                          | 91                            | 883                                      | 42                                  | 104                                                 | 538                                                       | 91                                       | 869                                      | 40                                  | 573                                                       |
| 293                   | 128                  | 8                    | 44                                          | 80                            | 363                                      | 3                                   | 102                                                 | 443                                                       | 80                                       | 356                                      | *                                   | 467                                                       |
| 294                   | 128                  | 28                   | 47                                          | 80                            | 379                                      | 3                                   | *                                                   | 425                                                       | 82                                       | 374                                      | *                                   | 448                                                       |
| 295                   | 128                  | 48                   | 47                                          | 94                            | 1112                                     | 60                                  | 106                                                 | 565                                                       | 94                                       | 1140                                     | 55                                  | 581                                                       |
| 296                   | 129                  | 9                    | 47                                          | 96                            | 1183                                     | 59                                  | 101                                                 | 626                                                       | 96                                       | 1133                                     | 67                                  | 623                                                       |
| 297                   | 129                  | 31                   | 47                                          | 95                            | 1177                                     | 64                                  | 101                                                 | 632                                                       | 93                                       | 1107                                     | 64                                  | 625                                                       |
| 298                   | 129                  | 52                   | 46                                          | 94                            | 1174                                     | 67                                  | 102                                                 | 632                                                       | 94                                       | 1144                                     | 67                                  | 638                                                       |
| 299                   | 130                  | 13                   | 47                                          | 94                            | 1151                                     | 67                                  | 101                                                 | 634                                                       | 94                                       | 1123                                     | 66                                  | 635                                                       |
| 300                   | 130                  | 34                   | 46                                          | 93                            | 1112                                     | 63                                  | 100                                                 | 621                                                       | 93                                       | 1075                                     | 62                                  | 616                                                       |
| 301                   | 130                  | 55                   | 46                                          | 91                            | 973                                      | 51                                  | 102                                                 | 579                                                       | 93                                       | 972                                      | 53                                  | 593                                                       |
| 302                   | 131                  | 16                   | 45                                          | 88                            | 670                                      | 26                                  | 104                                                 | 505                                                       | 87                                       | 670                                      | 25                                  | 517                                                       |
| 303                   | 131                  | 37                   | 45                                          | 86                            | 501                                      | 19                                  | 103                                                 | 467                                                       | 87                                       | 608                                      | 18                                  | 488                                                       |
| 304                   | 131                  | 58                   | 46                                          | 86                            | 640                                      | 24                                  | 103                                                 | 496                                                       | 87                                       | 645                                      | 24                                  | 502                                                       |
| 305                   | 132                  | 20                   | 46                                          | 88                            | 716                                      | 29                                  | *                                                   | 518                                                       | 88                                       | 702                                      | 27                                  | 523                                                       |
| 306                   | 132                  | 41                   | 46                                          | 94                            | 1207                                     | 75                                  | 100                                                 | 625                                                       | 96                                       | 1193                                     | 77                                  | 629                                                       |
| 307                   | 133                  | 2                    | 47                                          | 97                            | 1426                                     | 88                                  | 100                                                 | 691                                                       | 96                                       | 1396                                     | 89                                  | 692                                                       |
| 308                   | 133                  | 23                   | 48                                          | 96                            | 1366                                     | 82                                  | 102                                                 | 683                                                       | 96                                       | 1327                                     | 82                                  | 685                                                       |
| 309                   | 133                  | 45                   | 48                                          | 97                            | 1281                                     | 75                                  | 100                                                 | 663                                                       | 97                                       | 1237                                     | 72                                  | 675                                                       |
| 310                   | 134                  | 6                    | 48                                          | 92                            | 998                                      | 51                                  | 102                                                 | 600                                                       | 92                                       | 987                                      | 51                                  | 610                                                       |
| 311                   | 134                  | 27                   | 49                                          | 85                            | 559                                      | 18                                  | 101                                                 | 491                                                       | 85                                       | 536                                      | 14                                  | 495                                                       |
| 312                   | 134                  | 48                   | 49                                          | 86                            | 578                                      | 18                                  | 101                                                 | 486                                                       | 87                                       | 554                                      | 14                                  | 492                                                       |
| 313                   | 135                  | 9                    | 49                                          | 85                            | 564                                      | 17                                  | 101                                                 | 478                                                       | 86                                       | 541                                      | 14                                  | 483                                                       |
| 314                   | 135                  | 30                   | 49                                          | 85                            | 564                                      | 17                                  | 101                                                 | 477                                                       | 86                                       | 545                                      | 14                                  | 483                                                       |
| 315                   | 135                  | 52                   | 49                                          | 85                            | 564                                      | 17                                  | 101                                                 | 465                                                       | 81                                       | 518                                      | 13                                  | 477                                                       |
| 316                   | 136                  | 13                   | 49                                          | 85                            | 554                                      | 16                                  | 102                                                 | 479                                                       | 85                                       | 541                                      | 12                                  | 485                                                       |
| 317                   | 136                  | 34                   | 49                                          | 85                            | 554                                      | 16                                  | 102                                                 | 478                                                       | 87                                       | 541                                      | 12                                  | 477                                                       |
| 318                   | 136                  | 55                   | 45                                          | 86                            | 557                                      | 15                                  | *                                                   | 479                                                       | 85                                       | 543                                      | 13                                  | 483                                                       |
| 319                   | 137                  | 16                   | 49                                          | 85                            | 557                                      | 15                                  | 101                                                 | 477                                                       | 85                                       | 541                                      | 12                                  | 474                                                       |
| 320                   | 137                  | 38                   | 49                                          | 86                            | 554                                      | 15                                  | 100                                                 | 476                                                       | 85                                       | 543                                      | 12                                  | 475                                                       |
| 321                   | 137                  | 59                   | 49                                          | 86                            | 554                                      | 15                                  | 101                                                 | 479                                                       | 85                                       | 545                                      | 12                                  | 475                                                       |
| 322                   | 138                  | 21                   | 49                                          | 71                            | 282                                      | 1                                   | 72                                                  | 478                                                       | 71                                       | 277                                      | 1                                   | 483                                                       |
| 323                   | 138                  | 42                   | 49                                          | 22                            | *                                        | 1                                   | 21                                                  | 390                                                       | 23                                       | 34                                       | 3                                   | 377                                                       |
| 324                   | 139                  | 3                    | 49                                          | *                             | *                                        | *                                   | *                                                   | 287                                                       | *                                        | *                                        | *                                   | 178                                                       |
| 325                   | 139                  | 24                   | 49                                          | *                             | *                                        | *                                   | *                                                   | 251                                                       | *                                        | *                                        | *                                   | 241                                                       |
| 326                   | 139                  | 45                   | 49                                          | *                             | *                                        | *                                   | *                                                   | 245                                                       | *                                        | 16                                       | *                                   | 228                                                       |

-01  
SWEEP  
COUNT

| 1-02 | TIME | MIN. |
|------|------|------|
|------|------|------|

| 1-03 | TIME | SEC. |
|------|------|------|
|------|------|------|

1-04  
IND  
FREE  
AIR  
TEMP  
DES.C

| 1-05<br>ENG. 1 | RPM<br>(NG) | PERCENT |
|----------------|-------------|---------|
|----------------|-------------|---------|

1-05  
ENG-1  
FUEL  
FLOW

1-07  
EN 5.1

1-00  
ENS. 1  
POWER  
TURB  
SPEED  
RPM  
PERCNT

1-09  
EN3.1  
YURB  
INLEY  
TEMP  
(1-5)  
DE6.C

| ENG. 2 | RPM<br>(NG) | PERCENT |
|--------|-------------|---------|
| 1-10   |             |         |

ENG. 2  
FUEL  
FLOW  
LBS/HR

| ENG. 2 | TORQUE | PERCENT |
|--------|--------|---------|
| 100    | 100    | 100     |
| 90     | 90     | 90      |
| 80     | 80     | 80      |
| 70     | 70     | 70      |
| 60     | 60     | 60      |
| 50     | 50     | 50      |
| 40     | 40     | 40      |
| 30     | 30     | 30      |
| 20     | 20     | 20      |
| 10     | 10     | 10      |
| 0      | 0      | 0       |

ENG. 2  
TURB  
INLET  
TEMP  
(T-5)  
DEG. C

327  
328

140 145

27  
6

64 64

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• •

54

15

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2

HM-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 32                    | 32                   | 9                    | *                    | *                             | 5                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 33                    | 32                   | 30                   | *                    | *                             | 5                             | *                                                       | *                                                        | 0                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 34                    | 32                   | 52                   | *                    | *                             | 5                             | *                                                       | *                                                        | 0                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 35                    | 34                   | 43                   | *                    | 5                             | 8                             | *                                                       | *                                                        | 0                                                        | 2                                                            | *                                                     | *                                                   | *                                              |
| 36                    | 35                   | 9                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 37                    | 37                   | 32                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 38                    | 37                   | 33                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 39                    | 37                   | 15                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 40                    | 38                   | 36                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 41                    | 38                   | 58                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 42                    | 39                   | 19                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 43                    | 39                   | 41                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 44                    | 40                   | 2                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 45                    | 40                   | 24                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 46                    | 40                   | 45                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 47                    | 41                   | 7                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 48                    | 41                   | 20                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 49                    | 41                   | 50                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 50                    | 42                   | 11                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 51                    | 42                   | 32                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 52                    | 42                   | 54                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 53                    | 43                   | 15                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 54                    | 43                   | 37                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 55                    | 43                   | 56                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | *                                                     | *                                                   | *                                              |
| 56                    | 44                   | 20                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | 2                                                     | *                                                   | *                                              |
| 57                    | 44                   | 41                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | 14                                                    | *                                                   | *                                              |
| 58                    | 45                   | 3                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | 13                                                    | *                                                   | *                                              |
| 59                    | 45                   | 24                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | 15                                                    | *                                                   | *                                              |
| 60                    | 45                   | 46                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | 30                                                    | *                                                   | *                                              |
| 61                    | 46                   | 7                    | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | 31                                                    | *                                                   | *                                              |
| 62                    | 46                   | 26                   | *                    | *                             | *                             | *                                                       | *                                                        | *                                                        | *                                                            | 33                                                    | *                                                   | *                                              |
| 63                    | 46                   | 49                   | *                    | *                             | *                             | *                                                       | 9                                                        | 0                                                        | 0                                                            | 35                                                    | 0                                                   | 0                                              |
| 64                    | 47                   | 10                   | *                    | *                             | *                             | *                                                       | 0                                                        | 0                                                        | 0                                                            | 35                                                    | 1                                                   | 0                                              |
| 65                    | 47                   | 32                   | *                    | *                             | *                             | *                                                       | 0                                                        | 0                                                        | 0                                                            | 36                                                    | 0                                                   | 0                                              |
| 66                    | 47                   | 53                   | *                    | *                             | *                             | *                                                       | 0                                                        | 1                                                        | 2                                                            | 36                                                    | 0                                                   | 0                                              |
| 67                    | 48                   | 14                   | *                    | *                             | *                             | *                                                       | 0                                                        | 1                                                        | 1                                                            | 36                                                    | 0                                                   | 0                                              |
| 68                    | 48                   | 35                   | *                    | *                             | *                             | *                                                       | 0                                                        | 0                                                        | 0                                                            | 36                                                    | 0                                                   | 0                                              |
| 69                    | 48                   | *                    | *                    | *                             | *                             | 6                                                       | 0                                                        | 0                                                        | 0                                                            | 35                                                    | 0                                                   | 0                                              |
| 70                    | 49                   | 17                   | *                    | *                             | 5                             | 0                                                       | 0                                                        | 0                                                        | 0                                                            | 33                                                    | 0                                                   | 0                                              |
| 71                    | 49                   | 38                   | *                    | *                             | 5                             | 1                                                       | 0                                                        | 0                                                        | 0                                                            | 33                                                    | 0                                                   | 0                                              |
| 72                    | 50                   | *                    | *                    | *                             | 5                             | 1                                                       | 0                                                        | 1                                                        | 1                                                            | 35                                                    | 0                                                   | 0                                              |
| 73                    | 50                   | 20                   | *                    | *                             | 5                             | 0                                                       | 0                                                        | 1                                                        | 2                                                            | 33                                                    | 0                                                   | 0                                              |
| 74                    | 50                   | 41                   | *                    | *                             | 5                             | 0                                                       | 0                                                        | 1                                                        | 0                                                            | 33                                                    | 0                                                   | 0                                              |
| 75                    | 51                   | 2                    | *                    | *                             | 5                             | 0                                                       | 0                                                        | 1                                                        | 2                                                            | 33                                                    | 0                                                   | 0                                              |
| 76                    | 51                   | 24                   | *                    | *                             | *                             | 0                                                       | 0                                                        | 1                                                        | 34                                                           | 34                                                    | 1                                                   | 1                                              |



| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | PERCENT<br>TRAVEL | 1-18<br>R.H.<br>THROTT<br>POS | PERCENT<br>TRAVEL | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------|-------------------------------|-------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 77                    | 51                   | 43                   | *                    | *                             | 5                 | 5                             | 5                 | 0                                                       | 0                                                        | 1                                                                 | 0                                                            | 33                                                    | 0                                                   | 0                                              |
| 78                    | 52                   | 6                    | *                    | *                             | 5                 | *                             | 5                 | 0                                                       | 0                                                        | 1                                                                 | 0                                                            | 34                                                    | 1                                                   | 0                                              |
| 79                    | 52                   | 27                   | *                    | *                             | 5                 | 5                             | 5                 | 0                                                       | 0                                                        | 1                                                                 | 0                                                            | 34                                                    | 1                                                   | 0                                              |
| 80                    | 52                   | 48                   | *                    | *                             | 5                 | 5                             | 5                 | 0                                                       | 0                                                        | 1                                                                 | 0                                                            | 35                                                    | 0                                                   | 0                                              |
| 81                    | 53                   | 9                    | *                    | *                             | 5                 | 5                             | 5                 | 0                                                       | 0                                                        | 2                                                                 | 1                                                            | 33                                                    | 0                                                   | 0                                              |
| 82                    | 53                   | 20                   | *                    | *                             | 5                 | 5                             | 5                 | 0                                                       | 0                                                        | 2                                                                 | 0                                                            | 33                                                    | 0                                                   | 0                                              |
| 83                    | 53                   | 52                   | 20                   | *                             | 23                | 23                            | 23                | 0                                                       | 0                                                        | 2                                                                 | 0                                                            | 31                                                    | 1                                                   | 1                                              |
| 84                    | 54                   | *                    | 19                   | *                             | 22                | 22                            | 22                | 0                                                       | 0                                                        | 2                                                                 | 1                                                            | 33                                                    | 3                                                   | 0                                              |
| 85                    | 54                   | 34                   | 35                   | *                             | 22                | 22                            | 22                | 0                                                       | 0                                                        | 1                                                                 | 2                                                            | 35                                                    | 17                                                  | 0                                              |
| 86                    | 55                   | 55                   | 42                   | *                             | 22                | 22                            | 22                | 0                                                       | 0                                                        | 2                                                                 | 2                                                            | 33                                                    | 22                                                  | 1                                              |
| 87                    | 55                   | 12                   | 42                   | *                             | 22                | 22                            | 22                | 0                                                       | 0                                                        | 2                                                                 | 0                                                            | 31                                                    | 27                                                  | 0                                              |
| 88                    | 55                   | 37                   | 44                   | *                             | 22                | 22                            | 22                | 0                                                       | 0                                                        | 2                                                                 | 1                                                            | 33                                                    | 27                                                  | 0                                              |
| 89                    | 55                   | 58                   | 45                   | *                             | 22                | 22                            | 22                | 0                                                       | 0                                                        | 2                                                                 | 2                                                            | 29                                                    | 27                                                  | 0                                              |
| 90                    | 56                   | 18                   | 44                   | *                             | 22                | 22                            | 22                | 0                                                       | 0                                                        | 2                                                                 | 2                                                            | 32                                                    | 27                                                  | 0                                              |
| 91                    | 56                   | 48                   | 57                   | *                             | 34                | 34                            | 34                | 0                                                       | 0                                                        | 1                                                                 | 1                                                            | 29                                                    | 30                                                  | 0                                              |
| 92                    | 57                   | 1                    | 91                   | *                             | 60                | 60                            | 60                | 0                                                       | 0                                                        | 1                                                                 | 2                                                            | 32                                                    | 30                                                  | 0                                              |
| 93                    | 57                   | 22                   | 105                  | *                             | 91                | 91                            | 91                | 0                                                       | 0                                                        | 1                                                                 | 2                                                            | 32                                                    | 30                                                  | 0                                              |
| 94                    | 57                   | 43                   | 105                  | *                             | 91                | 91                            | 91                | 0                                                       | 0                                                        | 1                                                                 | 2                                                            | 24                                                    | 72                                                  | 1                                              |
| 95                    | 58                   | 4                    | 104                  | *                             | 91                | 91                            | 91                | 0                                                       | 0                                                        | 1                                                                 | 2                                                            | 29                                                    | 75                                                  | 2                                              |
| 96                    | 58                   | 25                   | 105                  | 22                            | 90                | 90                            | 90                | 11                                                      | 11                                                       | 12                                                                | 0                                                            | 27                                                    | 77                                                  | 14                                             |
| 97                    | 58                   | 46                   | 105                  | 22                            | 90                | 90                            | 90                | 13                                                      | 13                                                       | 16                                                                | 34                                                           | 25                                                    | 72                                                  | 20                                             |
| 98                    | 59                   | 7                    | 105                  | 85                            | 91                | 91                            | 91                | 16                                                      | 16                                                       | 18                                                                | 52                                                           | 25                                                    | 72                                                  | 20                                             |
| 99                    | 59                   | 28                   | 106                  | 91                            | 91                | 91                            | 91                | 19                                                      | 19                                                       | 20                                                                | 65                                                           | 23                                                    | 68                                                  | 65                                             |
| 100                   | 59                   | 49                   | 105                  | 93                            | 93                | 93                            | 93                | 18                                                      | 18                                                       | 21                                                                | 66                                                           | 28                                                    | 72                                                  | 84                                             |
| 101                   | 60                   | 18                   | 104                  | 79                            | 82                | 82                            | 82                | 18                                                      | 18                                                       | 20                                                                | 66                                                           | 26                                                    | 73                                                  | 84                                             |
| 102                   | 60                   | 31                   | 102                  | 79                            | 86                | 86                            | 86                | 18                                                      | 18                                                       | 20                                                                | 66                                                           | 30                                                    | 74                                                  | 70                                             |
| 103                   | 60                   | 52                   | 103                  | 75                            | 79                | 79                            | 79                | 18                                                      | 18                                                       | 20                                                                | 63                                                           | 27                                                    | 70                                                  | 47                                             |
| 104                   | 61                   | 13                   | 101                  | 75                            | 76                | 76                            | 76                | 19                                                      | 19                                                       | 21                                                                | 66                                                           | 28                                                    | 73                                                  | 60                                             |
| 105                   | 61                   | 34                   | 102                  | 76                            | 76                | 76                            | 76                | 18                                                      | 18                                                       | 19                                                                | 61                                                           | 27                                                    | 71                                                  | 67                                             |
| 106                   | 61                   | 56                   | *                    | *                             | *                 | *                             | *                 | 20                                                      | 20                                                       | 21                                                                | 62                                                           | 26                                                    | 70                                                  | 68                                             |
| 107                   | 62                   | 17                   | 100                  | 76                            | 78                | 78                            | 78                | 18                                                      | 18                                                       | 21                                                                | 62                                                           | 26                                                    | 70                                                  | 68                                             |
| 108                   | 62                   | 38                   | 101                  | 75                            | 78                | 78                            | 78                | 18                                                      | 18                                                       | 22                                                                | 65                                                           | 26                                                    | 71                                                  | 68                                             |
| 109                   | 63                   | 20                   | 102                  | 75                            | 78                | 78                            | 78                | 19                                                      | 19                                                       | 22                                                                | 66                                                           | 23                                                    | 67                                                  | 66                                             |
| 110                   | 63                   | 42                   | 102                  | 75                            | 77                | 77                            | 77                | 16                                                      | 16                                                       | 19                                                                | 61                                                           | 25                                                    | 69                                                  | 69                                             |
| 111                   | 63                   | 63                   | 102                  | 75                            | 77                | 77                            | 77                | 16                                                      | 16                                                       | 24                                                                | 61                                                           | 25                                                    | 69                                                  | 74                                             |
| 112                   | 64                   | 3                    | 101                  | 75                            | 76                | 76                            | 76                | 18                                                      | 18                                                       | 23                                                                | 62                                                           | 29                                                    | 68                                                  | 71                                             |
| 113                   | 64                   | 24                   | 101                  | 76                            | 78                | 78                            | 78                | 18                                                      | 18                                                       | 23                                                                | 56                                                           | 25                                                    | 71                                                  | 65                                             |
| 114                   | 64                   | 45                   | 102                  | 75                            | 77                | 77                            | 77                | 19                                                      | 19                                                       | 22                                                                | 52                                                           | 24                                                    | 69                                                  | 66                                             |
| 115                   | 65                   | 7                    | 102                  | 76                            | 77                | 77                            | 77                | 17                                                      | 17                                                       | 24                                                                | 56                                                           | 23                                                    | 68                                                  | 66                                             |
| 116                   | 65                   | 28                   | 102                  | 76                            | 78                | 78                            | 78                | 17                                                      | 17                                                       | 22                                                                | 56                                                           | 23                                                    | 68                                                  | 66                                             |
| 117                   | 65                   | 49                   | 102                  | 76                            | 77                | 77                            | 77                | 17                                                      | 17                                                       | 22                                                                | 56                                                           | 25                                                    | 72                                                  | 66                                             |
| 118                   | 66                   | 10                   | 102                  | 76                            | 77                | 77                            | 77                | 17                                                      | 17                                                       | 22                                                                | 56                                                           | 26                                                    | 70                                                  | 65                                             |
| 119                   | 66                   | 32                   | 102                  | 76                            | 78                | 78                            | 78                | 19                                                      | 19                                                       | 19                                                                | 52                                                           | 24                                                    | 71                                                  | 64                                             |
| 120                   | 66                   | 53                   | 102                  | 78                            | 80                | 80                            | 80                | 19                                                      | 19                                                       | 22                                                                | 52                                                           | 23                                                    | 71                                                  | 84                                             |
| 121                   | 67                   | 14                   | 102                  | 79                            | 82                | 82                            | 82                | 19                                                      | 19                                                       | 22                                                                | 51                                                           | 23                                                    | 69                                                  | 124                                            |
| 122                   | 67                   | 36                   | 103                  | 78                            | 83                | 83                            | 83                | 20                                                      | 20                                                       | 23                                                                | 51                                                           | 23                                                    | 69                                                  | 127                                            |
| 123                   | 68                   | 57                   | 102                  | 78                            | 81                | 81                            | 81                | 20                                                      | 20                                                       | 24                                                                | 50                                                           | 26                                                    | 69                                                  | 128                                            |
| 124                   | 68                   | 18                   | 100                  | 79                            | 82                | 82                            | 82                | 21                                                      | 21                                                       | 21                                                                | 59                                                           | 28                                                    | 73                                                  | 129                                            |
| 125                   | 68                   | 39                   | 101                  | 78                            | 81                | 81                            | 81                | 21                                                      | 21                                                       | 20                                                                | 59                                                           | 24                                                    | 64                                                  | 131                                            |
| 126                   | 69                   | 1                    | 101                  | 78                            | 81                | 81                            | 81                | 21                                                      | 21                                                       | 23                                                                | 50                                                           | 26                                                    | 72                                                  | 128                                            |
|                       |                      |                      |                      |                               |                   |                               |                   | 19                                                      | 19                                                       | 26                                                                | 53                                                           | 25                                                    | 69                                                  | 129                                            |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 127                   | 69                   | 22                   | 100                  | 60                            | 81                            | 50                                                      | *                                                        | *                                                                 | *                                                            | 29                                                    | 68                                                  | 128                                            |
| 128                   | 69                   | 43                   | 101                  | 79                            | 82                            | 51                                                      | 22                                                       | 26                                                                | 56                                                           | 26                                                    | 69                                                  | 129                                            |
| 129                   | 70                   | 5                    | 102                  | 79                            | 81                            | 52                                                      | 17                                                       | 22                                                                | 51                                                           | 26                                                    | 71                                                  | 133                                            |
| 130                   | 70                   | 26                   | 102                  | 60                            | 81                            | 53                                                      | 21                                                       | 23                                                                | 60                                                           | 26                                                    | 70                                                  | 127                                            |
| 131                   | 70                   | 47                   | 102                  | 79                            | 82                            | 54                                                      | 20                                                       | 23                                                                | 52                                                           | 24                                                    | 72                                                  | 130                                            |
| 132                   | 71                   | 8                    | 102                  | 79                            | 81                            | 51                                                      | 20                                                       | 23                                                                | 56                                                           | 25                                                    | 71                                                  | 131                                            |
| 133                   | 71                   | 30                   | 101                  | 79                            | 81                            | 54                                                      | 23                                                       | 24                                                                | 60                                                           | 26                                                    | 71                                                  | 127                                            |
| 134                   | 71                   | 51                   | 103                  | 79                            | 81                            | 52                                                      | 22                                                       | 22                                                                | 51                                                           | 26                                                    | 68                                                  | 129                                            |
| 135                   | 72                   | 12                   | 102                  | 79                            | 82                            | 53                                                      | 19                                                       | 24                                                                | 54                                                           | 25                                                    | 70                                                  | 129                                            |
| 136                   | 72                   | 33                   | 101                  | 79                            | 82                            | 52                                                      | 18                                                       | 22                                                                | 57                                                           | 25                                                    | 70                                                  | 131                                            |
| 137                   | 72                   | 54                   | 101                  | 80                            | 81                            | 52                                                      | 19                                                       | 26                                                                | 48                                                           | 26                                                    | 72                                                  | 120                                            |
| 138                   | 73                   | 16                   | 101                  | 78                            | 81                            | 54                                                      | *                                                        | *                                                                 | 50                                                           | 24                                                    | 67                                                  | 136                                            |
| 139                   | 73                   | 37                   | 102                  | 79                            | 81                            | 57                                                      | 21                                                       | 23                                                                | 57                                                           | 26                                                    | 70                                                  | 133                                            |
| 140                   | 73                   | 58                   | 100                  | 79                            | 83                            | 53                                                      | 21                                                       | 22                                                                | 56                                                           | 22                                                    | 69                                                  | 132                                            |
| 141                   | 74                   | 19                   | 101                  | 79                            | 82                            | 49                                                      | 20                                                       | 24                                                                | 60                                                           | 21                                                    | 68                                                  | 133                                            |
| 142                   | 74                   | 41                   | 102                  | 79                            | 82                            | 52                                                      | 18                                                       | 21                                                                | 65                                                           | 21                                                    | 73                                                  | 126                                            |
| 143                   | 75                   | 2                    | 101                  | 79                            | 81                            | 54                                                      | 19                                                       | 24                                                                | 65                                                           | 25                                                    | 69                                                  | 126                                            |
| 144                   | 75                   | 23                   | 101                  | 76                            | 82                            | 54                                                      | 21                                                       | 24                                                                | 52                                                           | 26                                                    | 69                                                  | 129                                            |
| 145                   | 75                   | 44                   | 101                  | 79                            | 81                            | 54                                                      | 24                                                       | 26                                                                | 53                                                           | 25                                                    | 71                                                  | 135                                            |
| 146                   | 76                   | 6                    | 101                  | 79                            | 82                            | 56                                                      | 22                                                       | 21                                                                | 54                                                           | 27                                                    | 68                                                  | 130                                            |
| 147                   | 76                   | 27                   | 108                  | 79                            | 82                            | 52                                                      | 23                                                       | 22                                                                | 55                                                           | 25                                                    | 69                                                  | 129                                            |
| 148                   | 76                   | 48                   | 101                  | 79                            | 81                            | 56                                                      | 20                                                       | 24                                                                | 57                                                           | 25                                                    | 69                                                  | 127                                            |
| 149                   | 77                   | 9                    | 102                  | 79                            | 82                            | 50                                                      | 22                                                       | 22                                                                | 52                                                           | 26                                                    | 69                                                  | 132                                            |
| 150                   | 77                   | 31                   | 101                  | 80                            | 81                            | 51                                                      | 20                                                       | 25                                                                | 52                                                           | 25                                                    | 70                                                  | 127                                            |
| 151                   | 77                   | 52                   | 102                  | 79                            | 82                            | 54                                                      | 18                                                       | 24                                                                | 59                                                           | 24                                                    | 68                                                  | 132                                            |
| 152                   | 77                   | 77                   | 101                  | 79                            | 82                            | 54                                                      | 21                                                       | 23                                                                | 43                                                           | 24                                                    | 67                                                  | 134                                            |
| 153                   | 78                   | 13                   | 101                  | 79                            | 82                            | 54                                                      | 20                                                       | 23                                                                | 43                                                           | 20                                                    | 69                                                  | 137                                            |
| 154                   | 78                   | 34                   | 100                  | 79                            | 81                            | 51                                                      | 22                                                       | 24                                                                | 49                                                           | 26                                                    | 67                                                  | 141                                            |
| 155                   | 79                   | 56                   | 101                  | 79                            | 83                            | 56                                                      | 21                                                       | 22                                                                | 60                                                           | 27                                                    | 67                                                  | 132                                            |
| 156                   | 79                   | 17                   | 101                  | 79                            | 81                            | 51                                                      | 21                                                       | 24                                                                | 56                                                           | 30                                                    | 71                                                  | 117                                            |
| 157                   | 79                   | 38                   | 103                  | 79                            | 81                            | 51                                                      | 23                                                       | 24                                                                | 56                                                           | 25                                                    | 69                                                  | 135                                            |
| 158                   | 79                   | 59                   | 101                  | 79                            | 82                            | 54                                                      | 19                                                       | 23                                                                | 56                                                           | 22                                                    | 69                                                  | 129                                            |
| 158                   | 80                   | 21                   | *                    | 79                            | 81                            | 54                                                      | 20                                                       | 24                                                                | 50                                                           | 24                                                    | 69                                                  | 125                                            |
| 159                   | 80                   | 42                   | 103                  | 79                            | 82                            | 50                                                      | 20                                                       | 24                                                                | 52                                                           | 24                                                    | 66                                                  | 125                                            |
| 160                   | 81                   | 3                    | 100                  | 74                            | 77                            | 50                                                      | 18                                                       | 24                                                                | 52                                                           | 22                                                    | 64                                                  | 126                                            |
| 161                   | 81                   | 25                   | 98                   | 71                            | 74                            | 52                                                      | 19                                                       | 22                                                                | 59                                                           | 22                                                    | 67                                                  | 122                                            |
| 162                   | 81                   | 46                   | 99                   | 73                            | 74                            | 48                                                      | 21                                                       | 22                                                                | 46                                                           | 24                                                    | 70                                                  | 135                                            |
| 163                   | 82                   | 8                    | 102                  | 70                            | 80                            | 51                                                      | 21                                                       | 21                                                                | 49                                                           | 23                                                    | 68                                                  | 129                                            |
| 164                   | 82                   | 28                   | 100                  | 70                            | 80                            | 52                                                      | 22                                                       | 23                                                                | 48                                                           | 22                                                    | 66                                                  | 132                                            |
| 165                   | 82                   | 50                   | 101                  | 78                            | 81                            | 54                                                      | 19                                                       | 24                                                                | 54                                                           | 27                                                    | 69                                                  | 132                                            |
| 166                   | 83                   | 11                   | 101                  | 76                            | 80                            | 48                                                      | 22                                                       | 22                                                                | 54                                                           | 22                                                    | 71                                                  | 129                                            |
| 167                   | 83                   | 33                   | 100                  | 77                            | 81                            | 50                                                      | 24                                                       | 24                                                                | 50                                                           | 21                                                    | 67                                                  | 128                                            |
| 168                   | 83                   | 54                   | 100                  | 77                            | 81                            | 52                                                      | 19                                                       | 24                                                                | 51                                                           | 26                                                    | 69                                                  | 130                                            |
| 169                   | 84                   | 15                   | 100                  | 77                            | 80                            | 51                                                      | 20                                                       | 22                                                                | 49                                                           | 23                                                    | 68                                                  | 120                                            |
| 170                   | 84                   | 37                   | 100                  | 77                            | 80                            | 50                                                      | 18                                                       | 22                                                                | 26                                                           | *                                                     | *                                                   | 128                                            |
| 171                   | 84                   | 58                   | 99                   | 76                            | 81                            | 52                                                      | 16                                                       | 20                                                                | 59                                                           | 21                                                    | 68                                                  | 127                                            |
| 172                   | 85                   | 20                   | 100                  | 76                            | 81                            | 50                                                      | 20                                                       | 24                                                                | 52                                                           | 24                                                    | 68                                                  | 132                                            |
| 173                   | 85                   | 41                   | 100                  | 77                            | 81                            | 49                                                      | 20                                                       | 24                                                                | 43                                                           | 26                                                    | 70                                                  | 130                                            |
| 174                   | 86                   | 2                    | 100                  | 77                            | 81                            | 51                                                      | 25                                                       | 24                                                                | 53                                                           | 25                                                    | 68                                                  | 132                                            |
| 175                   | 86                   | 24                   | 103                  | 76                            | 81                            | 50                                                      | 30                                                       | 30                                                                | 67                                                           | 21                                                    | 67                                                  | 131                                            |
| 176                   | 86                   | 45                   | 100                  | 76                            | 81                            | 50                                                      | 19                                                       | 24                                                                | 56                                                           | 23                                                    | 69                                                  | 129                                            |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.O.D.<br>THROTT<br>POS | 1-18<br>R.O.D.<br>THROTT<br>POS | 1-19<br>ENG-1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG-1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG-1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PSIG | 1-22<br>ENG-1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG-1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|---------------------------------|---------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 177                   | 87                   | 7                    | 100                  | 77                              | 81                              | 48                                                      | 24                                                       | 21                                                       | 43                                                           | 23                                                    | 67                                                  | 127                                            |
| 178                   | 87                   | 20                   | 100                  | 76                              | 81                              | 51                                                      | 20                                                       | 28                                                       | 60                                                           | 21                                                    | 69                                                  | 131                                            |
| 179                   | 87                   | 49                   | 100                  | 76                              | 80                              | 51                                                      | 17                                                       | 22                                                       | 52                                                           | 26                                                    | 69                                                  | 128                                            |
| 180                   | 88                   | 11                   | 100                  | 77                              | 81                              | 49                                                      | 17                                                       | 22                                                       | 52                                                           | 22                                                    | 68                                                  | 125                                            |
| 181                   | 88                   | 32                   | 100                  | 77                              | 81                              | 51                                                      | 19                                                       | 24                                                       | 46                                                           | 21                                                    | 67                                                  | 123                                            |
| 182                   | 88                   | 54                   | 98                   | 76                              | 80                              | 48                                                      | 20                                                       | 23                                                       | 46                                                           | 23                                                    | 68                                                  | 131                                            |
| 183                   | 89                   | 15                   | 100                  | 77                              | 81                              | 49                                                      | 20                                                       | 23                                                       | 46                                                           | 22                                                    | 68                                                  | 124                                            |
| 184                   | 89                   | 36                   | 101                  | 77                              | 80                              | 49                                                      | 19                                                       | 23                                                       | 54                                                           | 22                                                    | 69                                                  | 127                                            |
| 185                   | 89                   | 56                   | 100                  | 76                              | 81                              | 48                                                      | 20                                                       | 23                                                       | 56                                                           | 25                                                    | 68                                                  | 125                                            |
| 186                   | 90                   | 19                   | 101                  | 76                              | 79                              | 54                                                      | 20                                                       | 23                                                       | 56                                                           | 29                                                    | 70                                                  | 125                                            |
| 187                   | 90                   | 40                   | 102                  | 76                              | 79                              | 50                                                      | 18                                                       | 24                                                       | 56                                                           | 27                                                    | 70                                                  | 122                                            |
| 188                   | 91                   | 1                    | 103                  | 76                              | 79                              | 49                                                      | 19                                                       | 24                                                       | 56                                                           | 28                                                    | 71                                                  | 110                                            |
| 189                   | 91                   | 22                   | 104                  | 76                              | 79                              | 45                                                      | 17                                                       | 20                                                       | 57                                                           | 28                                                    | 72                                                  | 97                                             |
| 190                   | 91                   | 43                   | 104                  | 76                              | 79                              | 48                                                      | 20                                                       | 23                                                       | 52                                                           | 26                                                    | 70                                                  | 97                                             |
| 191                   | 92                   | 4                    | 104                  | 76                              | 79                              | 48                                                      | 20                                                       | 23                                                       | 52                                                           | 27                                                    | 72                                                  | 99                                             |
| 192                   | 92                   | 25                   | 103                  | 75                              | 79                              | 48                                                      | 17                                                       | 21                                                       | 55                                                           | 28                                                    | 72                                                  | 99                                             |
| 193                   | 92                   | 46                   | 104                  | 76                              | 79                              | 46                                                      | 19                                                       | 22                                                       | 53                                                           | 27                                                    | 71                                                  | 87                                             |
| 194                   | 93                   | 7                    | 103                  | 75                              | 79                              | 46                                                      | 20                                                       | 21                                                       | 54                                                           | 27                                                    | 71                                                  | 80                                             |
| 195                   | 93                   | 28                   | 103                  | 75                              | 79                              | 49                                                      | 19                                                       | 22                                                       | 49                                                           | 31                                                    | 71                                                  | 96                                             |
| 196                   | 93                   | 49                   | 102                  | 75                              | 79                              | 50                                                      | 17                                                       | 22                                                       | 55                                                           | 31                                                    | 73                                                  | 101                                            |
| 197                   | 94                   | 11                   | 105                  | 77                              | 79                              | 51                                                      | 21                                                       | 21                                                       | 59                                                           | 30                                                    | 72                                                  | 102                                            |
| 198                   | 94                   | 32                   | 100                  | 77                              | 80                              | 57                                                      | 22                                                       | 22                                                       | 49                                                           | 25                                                    | 69                                                  | 129                                            |
| 199                   | 94                   | 53                   | 100                  | 77                              | 79                              | 57                                                      | 20                                                       | 24                                                       | 49                                                           | 23                                                    | 71                                                  | 134                                            |
| 200                   | 95                   | 15                   | 102                  | 77                              | 79                              | 54                                                      | 22                                                       | 24                                                       | 46                                                           | 28                                                    | 69                                                  | 141                                            |
| 201                   | 95                   | 36                   | 101                  | 77                              | 80                              | 54                                                      | 22                                                       | 23                                                       | 46                                                           | 28                                                    | 69                                                  | 141                                            |
| 202                   | 95                   | 57                   | 103                  | 77                              | 81                              | 52                                                      | 21                                                       | 24                                                       | 46                                                           | 29                                                    | 69                                                  | 141                                            |
| 203                   | 96                   | 19                   | 102                  | 77                              | 81                              | 55                                                      | 18                                                       | 24                                                       | 57                                                           | 20                                                    | 71                                                  | 142                                            |
| 204                   | 96                   | 40                   | 101                  | 77                              | 80                              | 54                                                      | 21                                                       | 26                                                       | 59                                                           | 23                                                    | 69                                                  | 141                                            |
| 205                   | 97                   | 1                    | 101                  | 78                              | 80                              | 52                                                      | 20                                                       | 22                                                       | 53                                                           | 24                                                    | 68                                                  | 143                                            |
| 206                   | 97                   | 23                   | 101                  | 77                              | 81                              | 52                                                      | 20                                                       | 24                                                       | 43                                                           | 29                                                    | 68                                                  | 140                                            |
| 207                   | 97                   | 44                   | 102                  | 78                              | 80                              | 53                                                      | 20                                                       | 24                                                       | 56                                                           | 26                                                    | 67                                                  | 141                                            |
| 208                   | 98                   | 5                    | 102                  | 77                              | 80                              | 52                                                      | 18                                                       | 23                                                       | 60                                                           | 24                                                    | 68                                                  | 139                                            |
| 209                   | 98                   | 27                   | 102                  | 77                              | 80                              | 50                                                      | 23                                                       | 24                                                       | 52                                                           | 21                                                    | 68                                                  | 138                                            |
| 210                   | 98                   | 48                   | 102                  | 77                              | 80                              | 54                                                      | 23                                                       | 28                                                       | 52                                                           | 20                                                    | 71                                                  | 135                                            |
| 211                   | 99                   | 9                    | 102                  | 78                              | 81                              | 53                                                      | 22                                                       | 22                                                       | 51                                                           | 21                                                    | 68                                                  | 138                                            |
| 212                   | 99                   | 31                   | 100                  | 78                              | 80                              | 54                                                      | 20                                                       | 23                                                       | 62                                                           | 26                                                    | 70                                                  | 138                                            |
| 213                   | 99                   | 52                   | 100                  | 77                              | 81                              | 53                                                      | 22                                                       | 22                                                       | 59                                                           | 23                                                    | 69                                                  | 137                                            |
| 214                   | 100                  | 13                   | 100                  | 77                              | 81                              | 54                                                      | 23                                                       | 24                                                       | 56                                                           | 27                                                    | 70                                                  | 145                                            |
| 215                   | 100                  | 34                   | 100                  | 77                              | 80                              | 52                                                      | 21                                                       | 26                                                       | 52                                                           | 23                                                    | 68                                                  | 137                                            |
| 216                   | 100                  | 56                   | 102                  | 77                              | 80                              | 53                                                      | 19                                                       | 24                                                       | 54                                                           | 19                                                    | 68                                                  | 139                                            |
| 217                   | 101                  | 17                   | 101                  | 77                              | 80                              | 57                                                      | 21                                                       | 24                                                       | 53                                                           | 23                                                    | 69                                                  | 139                                            |
| 218                   | 101                  | 38                   | 99                   | 71                              | 73                              | 54                                                      | 19                                                       | 20                                                       | 48                                                           | 24                                                    | 66                                                  | 139                                            |
| 219                   | 102                  | 0                    | 99                   | 75                              | 75                              | 50                                                      | 19                                                       | 24                                                       | 52                                                           | 21                                                    | 66                                                  | 133                                            |
| 220                   | 102                  | 21                   | 97                   | 74                              | 74                              | 52                                                      | 21                                                       | 21                                                       | 46                                                           | 20                                                    | 65                                                  | 141                                            |
| 221                   | 102                  | 43                   | 98                   | 74                              | 74                              | 52                                                      | 21                                                       | 20                                                       | 46                                                           | 23                                                    | 65                                                  | 138                                            |
| 222                   | 101                  | 6                    | 98                   | 72                              | 74                              | 50                                                      | 19                                                       | 23                                                       | 50                                                           | 21                                                    | 66                                                  | 133                                            |
| 223                   | 103                  | 26                   | 99                   | 72                              | 75                              | 49                                                      | 18                                                       | 21                                                       | 46                                                           | 22                                                    | 65                                                  | 132                                            |
| 224                   | 103                  | 47                   | 100                  | 77                              | 79                              | 53                                                      | 21                                                       | 21                                                       | 46                                                           | 26                                                    | 70                                                  | 137                                            |
| 225                   | 104                  | 6                    | 101                  | 77                              | 80                              | 50                                                      | 21                                                       | 21                                                       | 46                                                           | 26                                                    | 71                                                  | 133                                            |
| 226                   | 104                  | 30                   | 99                   | 77                              | 81                              | 54                                                      | 20                                                       | 23                                                       | 51                                                           | 24                                                    | 68                                                  | 144                                            |

| -01<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 227                   | 184                  | 51                   | 102                  | 77                            | 81                            | 54                                                      | 22                                                       | 24                                                                | 58                                                           | 24                                                    | 72                                                  | 140                                            |
| 228                   | 185                  | 12                   | 100                  | 78                            | 81                            | 54                                                      | 20                                                       | 24                                                                | 46                                                           | 25                                                    | 70                                                  | 145                                            |
| 229                   | 186                  | 34                   | 100                  | 78                            | 80                            | 56                                                      | 20                                                       | 21                                                                | 59                                                           | 25                                                    | 72                                                  | 148                                            |
| 230                   | 187                  | 55                   | 102                  | 77                            | 80                            | 54                                                      | 23                                                       | 18                                                                | 56                                                           | 26                                                    | 69                                                  | 137                                            |
| 231                   | 188                  | 16                   | 100                  | 78                            | 81                            | 57                                                      | 19                                                       | 22                                                                | 59                                                           | 25                                                    | 69                                                  | 141                                            |
| 232                   | 189                  | 38                   | 100                  | 76                            | 80                            | 54                                                      | 21                                                       | 24                                                                | 46                                                           | 24                                                    | 68                                                  | 134                                            |
| 233                   | 190                  | 59                   | 100                  | 77                            | 81                            | 54                                                      | 28                                                       | 24                                                                | 93                                                           | 26                                                    | 69                                                  | 142                                            |
| 234                   | 191                  | 20                   | 100                  | 77                            | 81                            | 54                                                      | 21                                                       | 24                                                                | 51                                                           | 24                                                    | 67                                                  | 142                                            |
| 235                   | 192                  | 42                   | 100                  | 77                            | 81                            | 53                                                      | 20                                                       | 21                                                                | 60                                                           | 26                                                    | 67                                                  | 140                                            |
| 236                   | 193                  | 3                    | 100                  | 77                            | 80                            | 52                                                      | 19                                                       | 21                                                                | 58                                                           | 25                                                    | 69                                                  | 139                                            |
| 237                   | 194                  | 24                   | 100                  | 76                            | 80                            | 54                                                      | 20                                                       | 22                                                                | 50                                                           | 26                                                    | 70                                                  | 138                                            |
| 238                   | 195                  | 46                   | 100                  | 77                            | 80                            | 53                                                      | 22                                                       | 26                                                                | 57                                                           | 23                                                    | 69                                                  | 140                                            |
| 239                   | 196                  | 7                    | 100                  | 77                            | 80                            | 51                                                      | 21                                                       | 22                                                                | 56                                                           | 25                                                    | 68                                                  | 137                                            |
| 240                   | 197                  | 28                   | 100                  | 77                            | 81                            | 52                                                      | 24                                                       | 24                                                                | 57                                                           | 25                                                    | 68                                                  | 139                                            |
| 241                   | 198                  | 50                   | 100                  | 77                            | 80                            | 52                                                      | 22                                                       | 21                                                                | 56                                                           | 25                                                    | 68                                                  | 142                                            |
| 242                   | 199                  | 11                   | 101                  | 76                            | 80                            | 54                                                      | 21                                                       | 22                                                                | 56                                                           | 25                                                    | 69                                                  | 142                                            |
| 243                   | 200                  | 32                   | 100                  | 77                            | 80                            | 52                                                      | 21                                                       | 22                                                                | 50                                                           | 23                                                    | 67                                                  | 139                                            |
| 244                   | 201                  | 54                   | 100                  | 77                            | 79                            | 52                                                      | 23                                                       | 25                                                                | 58                                                           | 23                                                    | 69                                                  | 140                                            |
| 245                   | 202                  | 15                   | 100                  | 77                            | 80                            | 52                                                      | 21                                                       | 22                                                                | 58                                                           | 22                                                    | 69                                                  | 140                                            |
| 246                   | 203                  | 37                   | 100                  | 77                            | 80                            | 52                                                      | 21                                                       | 24                                                                | 59                                                           | 24                                                    | 72                                                  | 141                                            |
| 247                   | 204                  | 58                   | 100                  | 77                            | 80                            | 55                                                      | 20                                                       | 22                                                                | 59                                                           | 26                                                    | 69                                                  | 138                                            |
| 248                   | 205                  | 19                   | 101                  | 77                            | 80                            | 55                                                      | 20                                                       | 22                                                                | 57                                                           | 26                                                    | 69                                                  | 135                                            |
| 249                   | 206                  | 41                   | 100                  | 77                            | 80                            | 54                                                      | 21                                                       | 24                                                                | 56                                                           | 26                                                    | 66                                                  | 139                                            |
| 250                   | 207                  | 2                    | 102                  | 77                            | 79                            | 53                                                      | 19                                                       | 23                                                                | 57                                                           | 28                                                    | 70                                                  | 129                                            |
| 251                   | 208                  | 23                   | 102                  | 77                            | 79                            | 54                                                      | 20                                                       | 22                                                                | 57                                                           | 26                                                    | 70                                                  | 127                                            |
| 252                   | 209                  | 44                   | 102                  | 78                            | 81                            | 49                                                      | 20                                                       | 24                                                                | 58                                                           | 30                                                    | 73                                                  | 110                                            |
| 253                   | 210                  | 5                    | 102                  | 79                            | 81                            | 43                                                      | 18                                                       | 20                                                                | 59                                                           | 27                                                    | 72                                                  | 69                                             |
| 254                   | 211                  | 25                   | 102                  | 78                            | 81                            | 42                                                      | 17                                                       | 21                                                                | 59                                                           | 30                                                    | 72                                                  | 71                                             |
| 255                   | 212                  | 48                   | 103                  | 61                            | 85                            | 43                                                      | 17                                                       | 21                                                                | 55                                                           | 26                                                    | 72                                                  | 63                                             |
| 256                   | 213                  | 9                    | 104                  | 79                            | 83                            | 41                                                      | 17                                                       | 21                                                                | 59                                                           | 29                                                    | 72                                                  | 66                                             |
| 257                   | 214                  | 30                   | 104                  | 79                            | 83                            | 45                                                      | 16                                                       | 21                                                                | 57                                                           | 25                                                    | 71                                                  | 81                                             |
| 258                   | 215                  | 51                   | 103                  | 81                            | 85                            | 50                                                      | 21                                                       | 21                                                                | 57                                                           | 28                                                    | 75                                                  | 111                                            |
| 259                   | 216                  | 12                   | 101                  | 86                            | 88                            | 60                                                      | 21                                                       | 22                                                                | 54                                                           | 27                                                    | 72                                                  | 151                                            |
| 260                   | 217                  | 33                   | 99                   | 90                            | 91                            | 55                                                      | 20                                                       | 21                                                                | 48                                                           | 26                                                    | 68                                                  | 149                                            |
| 261                   | 218                  | 54                   | 102                  | 79                            | 80                            | 50                                                      | 21                                                       | 22                                                                | 57                                                           | 26                                                    | 72                                                  | 131                                            |
| 262                   | 219                  | 15                   | 101                  | 79                            | 80                            | 55                                                      | 19                                                       | 26                                                                | 59                                                           | 27                                                    | 69                                                  | 131                                            |
| 263                   | 220                  | 37                   | 101                  | 79                            | 78                            | 59                                                      | 20                                                       | 26                                                                | 48                                                           | 25                                                    | 69                                                  | 129                                            |
| 264                   | 221                  | 58                   | 104                  | 77                            | 78                            | 48                                                      | 18                                                       | 20                                                                | 57                                                           | 29                                                    | 72                                                  | 88                                             |
| 265                   | 222                  | 19                   | 104                  | 76                            | 79                            | 45                                                      | 16                                                       | 20                                                                | 50                                                           | 25                                                    | 70                                                  | 87                                             |
| 266                   | 223                  | 40                   | 103                  | 75                            | 78                            | 45                                                      | 16                                                       | 20                                                                | 51                                                           | 29                                                    | 72                                                  | 84                                             |
| 267                   | 224                  | 1                    | 104                  | 76                            | 78                            | 45                                                      | 14                                                       | 19                                                                | 51                                                           | 29                                                    | 72                                                  | 83                                             |
| 268                   | 225                  | 22                   | 104                  | 73                            | 78                            | 49                                                      | 16                                                       | 20                                                                | 52                                                           | 29                                                    | 78                                                  | 86                                             |
| 269                   | 226                  | 43                   | 104                  | 79                            | 79                            | 47                                                      | 16                                                       | 20                                                                | 52                                                           | 29                                                    | 72                                                  | 87                                             |
| 270                   | 227                  | 4                    | 105                  | 79                            | 79                            | 48                                                      | 16                                                       | 20                                                                | 57                                                           | 25                                                    | 73                                                  | 78                                             |
| 271                   | 228                  | 25                   | 104                  | 79                            | 80                            | 51                                                      | 18                                                       | 20                                                                | 55                                                           | 26                                                    | 72                                                  | 102                                            |
| 272                   | 229                  | 46                   | 103                  | 78                            | 79                            | 55                                                      | 21                                                       | 22                                                                | 52                                                           | 25                                                    | 72                                                  | 113                                            |
| 273                   | 230                  | 7                    | 105                  | 79                            | 73                            | 52                                                      | 21                                                       | 21                                                                | 52                                                           | 27                                                    | 72                                                  | 110                                            |
| 274                   | 231                  | 28                   | 104                  | 79                            | 73                            | 51                                                      | 20                                                       | 21                                                                | 52                                                           | 30                                                    | 71                                                  | 110                                            |
| 275                   | 232                  | 49                   | 104                  | 79                            | 79                            | 52                                                      | 22                                                       | 22                                                                | 57                                                           | 24                                                    | 73                                                  | 110                                            |
| 276                   | 233                  | 10                   | 104                  | 79                            | 79                            | 54                                                      | 20                                                       | 21                                                                | 59                                                           | 29                                                    | 75                                                  | 110                                            |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM<br>PERCENT | 1-17<br>L.d.<br>THROTT<br>POS<br>PERCENT<br>TRAVEL | 1-18<br>R.d.<br>THROTT<br>POS<br>PERCENT<br>TRAVEL | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------|----------------------------------------------------|----------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| 277                   | 122                  | 31                   | 103                             | 78                                                 | 79                                                 | 54                                                      | 21                                                       | 22                                                                | 56                                                           | 24                                                    | 75                                                  | 109                                            |
| 278                   | 122                  | 52                   | 105                             | 79                                                 | 79                                                 | 44                                                      | 16                                                       | 21                                                                | 60                                                           | 32                                                    | 78                                                  | 74                                             |
| 279                   | 123                  | 13                   | 104                             | 78                                                 | 78                                                 | 49                                                      | 19                                                       | 19                                                                | 52                                                           | 29                                                    | 72                                                  | 77                                             |
| 280                   | 123                  | 34                   | 102                             | 79                                                 | 80                                                 | 54                                                      | 19                                                       | 21                                                                | 57                                                           | 30                                                    | 71                                                  | 113                                            |
| 281                   | 123                  | 55                   | 102                             | 79                                                 | 81                                                 | 53                                                      | 21                                                       | 24                                                                | 48                                                           | 29                                                    | 71                                                  | 126                                            |
| 282                   | 124                  | 16                   | 102                             | 79                                                 | 81                                                 | 55                                                      | 20                                                       | 22                                                                | 52                                                           | 29                                                    | 72                                                  | 121                                            |
| 283                   | 124                  | 37                   | 103                             | 79                                                 | 79                                                 | 54                                                      | 22                                                       | 19                                                                | 58                                                           | 28                                                    | 73                                                  | 106                                            |
| 284                   | 124                  | 58                   | 104                             | 78                                                 | 79                                                 | 53                                                      | 19                                                       | 21                                                                | 56                                                           | 33                                                    | 72                                                  | 189                                            |
| 285                   | 125                  | 19                   | 104                             | 79                                                 | 79                                                 | 52                                                      | 17                                                       | 21                                                                | 60                                                           | 29                                                    | 74                                                  | 110                                            |
| 286                   | 125                  | 41                   | 102                             | 80                                                 | 80                                                 | 59                                                      | 26                                                       | 23                                                                | 48                                                           | 26                                                    | 73                                                  | 132                                            |
| 287                   | 126                  | 2                    | 102                             | 80                                                 | 80                                                 | 57                                                      | 21                                                       | 21                                                                | 46                                                           | 24                                                    | 71                                                  | 133                                            |
| 288                   | 126                  | 23                   | 104                             | 79                                                 | 79                                                 | 53                                                      | 19                                                       | 22                                                                | 46                                                           | 28                                                    | 74                                                  | 106                                            |
| 289                   | 126                  | 44                   | -                               | 79                                                 | 79                                                 | 54                                                      | 20                                                       | 21                                                                | 61                                                           | 27                                                    | 73                                                  | 107                                            |
| 290                   | 127                  | 5                    | 104                             | 79                                                 | 79                                                 | 53                                                      | 18                                                       | 21                                                                | 59                                                           | 27                                                    | 72                                                  | 108                                            |
| 291                   | 127                  | 26                   | 104                             | 79                                                 | 79                                                 | 52                                                      | 20                                                       | 21                                                                | 46                                                           | 30                                                    | 72                                                  | 106                                            |
| 292                   | 127                  | 47                   | 104                             | 79                                                 | 79                                                 | 53                                                      | 14                                                       | 21                                                                | 49                                                           | 30                                                    | 74                                                  | 97                                             |
| 293                   | 128                  | 8                    | 104                             | 73                                                 | 77                                                 | 36                                                      | 13                                                       | 15                                                                | 52                                                           | 26                                                    | 74                                                  | 37                                             |
| 294                   | 128                  | 28                   | 104                             | 74                                                 | 77                                                 | 43                                                      | 23                                                       | 18                                                                | 54                                                           | 24                                                    | 61                                                  | 46                                             |
| 295                   | 128                  | 68                   | 106                             | 87                                                 | 90                                                 | 46                                                      | 16                                                       | 19                                                                | 59                                                           | 24                                                    | 69                                                  | 105                                            |
| 296                   | 129                  | 9                    | 102                             | 78                                                 | 78                                                 | 58                                                      | 22                                                       | 21                                                                | 62                                                           | 28                                                    | 73                                                  | 126                                            |
| 297                   | 129                  | 31                   | 101                             | 77                                                 | 80                                                 | 55                                                      | 21                                                       | 23                                                                | 53                                                           | 27                                                    | 71                                                  | 124                                            |
| 298                   | 129                  | 52                   | 101                             | 76                                                 | 88                                                 | 56                                                      | 21                                                       | 24                                                                | 54                                                           | 31                                                    | 72                                                  | 123                                            |
| 299                   | 130                  | 13                   | 102                             | 77                                                 | 79                                                 | 55                                                      | 22                                                       | 22                                                                | 62                                                           | 26                                                    | 72                                                  | 119                                            |
| 300                   | 130                  | 34                   | 102                             | 78                                                 | 79                                                 | 56                                                      | 21                                                       | 21                                                                | 52                                                           | 29                                                    | 73                                                  | 110                                            |
| 301                   | 131                  | 55                   | 103                             | 76                                                 | 79                                                 | 52                                                      | 20                                                       | 23                                                                | 53                                                           | 28                                                    | 72                                                  | 108                                            |
| 302                   | 131                  | 16                   | 104                             | 77                                                 | 78                                                 | 48                                                      | 19                                                       | 18                                                                | 53                                                           | 32                                                    | 75                                                  | 79                                             |
| 303                   | 131                  | 37                   | 104                             | 76                                                 | 78                                                 | 48                                                      | 18                                                       | 20                                                                | 53                                                           | 29                                                    | 73                                                  | 75                                             |
| 304                   | 131                  | 58                   | 104                             | 77                                                 | 79                                                 | 51                                                      | 17                                                       | 22                                                                | 50                                                           | 31                                                    | 75                                                  | 86                                             |
| 305                   | 132                  | 20                   | 103                             | 77                                                 | 79                                                 | 54                                                      | 22                                                       | 22                                                                | 52                                                           | 30                                                    | 74                                                  | 89                                             |
| 306                   | 132                  | 41                   | 103                             | 78                                                 | 79                                                 | 57                                                      | 22                                                       | 21                                                                | 50                                                           | 29                                                    | 68                                                  | 132                                            |
| 307                   | 133                  | 2                    | 100                             | 78                                                 | 79                                                 | 54                                                      | 22                                                       | 22                                                                | 49                                                           | 27                                                    | 70                                                  | 136                                            |
| 308                   | 133                  | 23                   | 102                             | 78                                                 | 79                                                 | 54                                                      | 20                                                       | 21                                                                | 59                                                           | 27                                                    | 67                                                  | 131                                            |
| 309                   | 133                  | 45                   | 101                             | 78                                                 | 80                                                 | 54                                                      | 21                                                       | 22                                                                | 59                                                           | 32                                                    | 66                                                  | 122                                            |
| 310                   | 134                  | 6                    | 102                             | 76                                                 | 80                                                 | 47                                                      | 16                                                       | 21                                                                | 60                                                           | 30                                                    | 72                                                  | 103                                            |
| 311                   | 134                  | 27                   | 102                             | 78                                                 | 79                                                 | 45                                                      | 16                                                       | 21                                                                | 52                                                           | 28                                                    | 72                                                  | 69                                             |
| 312                   | 134                  | 48                   | 102                             | 78                                                 | 80                                                 | 43                                                      | 14                                                       | 21                                                                | 54                                                           | 27                                                    | 73                                                  | 71                                             |
| 313                   | 135                  | 9                    | 102                             | 70                                                 | 79                                                 | 45                                                      | 17                                                       | 21                                                                | 54                                                           | 23                                                    | 72                                                  | 68                                             |
| 314                   | 135                  | 30                   | 102                             | 78                                                 | 79                                                 | 43                                                      | 16                                                       | 20                                                                | 51                                                           | 27                                                    | 72                                                  | 68                                             |
| 315                   | 135                  | 52                   | 102                             | 78                                                 | 79                                                 | 47                                                      | 19                                                       | 20                                                                | 59                                                           | 26                                                    | 72                                                  | 68                                             |
| 316                   | 136                  | 13                   | 103                             | 78                                                 | 80                                                 | 44                                                      | 18                                                       | 18                                                                | 59                                                           | 30                                                    | 71                                                  | 66                                             |
| 317                   | 136                  | 34                   | 102                             | 77                                                 | 79                                                 | 45                                                      | 17                                                       | 22                                                                | 54                                                           | 32                                                    | 71                                                  | 65                                             |
| 318                   | 136                  | 55                   | 102                             | 70                                                 | 79                                                 | 44                                                      | 16                                                       | 20                                                                | 53                                                           | 32                                                    | 72                                                  | 64                                             |
| 319                   | 137                  | 16                   | 102                             | 77                                                 | 78                                                 | 44                                                      | 16                                                       | 22                                                                | 52                                                           | 29                                                    | 70                                                  | 66                                             |
| 320                   | 137                  | 38                   | 102                             | 77                                                 | 73                                                 | 44                                                      | 16                                                       | 20                                                                | 52                                                           | 30                                                    | 72                                                  | 66                                             |
| 321                   | 137                  | 59                   | 102                             | 76                                                 | 77                                                 | 42                                                      | 18                                                       | 21                                                                | 55                                                           | 28                                                    | 69                                                  | 66                                             |
| 322                   | 138                  | 21                   | 174                             | 21                                                 | 25                                                 | 30                                                      | 13                                                       | 11                                                                | 48                                                           | 29                                                    | 61                                                  | 23                                             |
| 323                   | 138                  | 42                   | 26                              | *                                                  | *                                                  | *                                                       | 1                                                        | 2                                                                 | 1                                                            | 25                                                    | 2                                                   | 1                                              |
| 324                   | 139                  | 3                    | *                               | *                                                  | *                                                  | *                                                       | 1                                                        | 4                                                                 | 2                                                            | 34                                                    | 1                                                   | 1                                              |
| 325                   | 139                  | 24                   | *                               | *                                                  | *                                                  | 0                                                       | 2                                                        | 3                                                                 | 1                                                            | 31                                                    | 0                                                   | 0                                              |
| 326                   | 139                  | 45                   | *                               | *                                                  | *                                                  | 0                                                       | 1                                                        | 5                                                                 | 0                                                            | 32                                                    | 2                                                   | 0                                              |

|                       |                      |                      |                      |                               |                               |                                                         |                                                          |                                                                   |                                                              |                                                       |                                                     |                                                |
|-----------------------|----------------------|----------------------|----------------------|-------------------------------|-------------------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|------------------------------------------------|
| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-15<br>ROTOR<br>RPM | 1-17<br>L.H.<br>THROTT<br>POS | 1-18<br>R.H.<br>THROTT<br>POS | 1-19<br>ENG.1<br>OIL<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-20<br>ENG.1<br>SCAV<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-21<br>ENG.1<br>FUEL<br>BOOST<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 1-22<br>ENG.1<br>NOSE<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-23<br>ACCESS<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-24<br>MAIN<br>GEAR<br>BOX<br>OIL<br>PRESS<br>PSIG | 1-25<br>ENG.1<br>BLEED<br>AIR<br>PRESS<br>PSIG |
| 327                   | 140                  | 6                    | *                    | *                             | *                             | 0                                                       | 0                                                        | 5                                                                 | 2                                                            | 35                                                    | 2                                                   | 0                                              |
| 328                   | 140                  | 27                   | *                    | *                             | *                             | 0                                                       | 0                                                        | 5                                                                 | 2                                                            | 30                                                    | 0                                                   | 2                                              |

MM-53C S/N 68-10354  
 DESERT TEST  
 9 JULY 1971  
 RUN NO. 9

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 32                    | 32                   | 9                    | 0                                                       |
| 33                    | 32                   | 30                   | 0                                                       |
| 34                    | 32                   | 52                   | 0                                                       |
| 35                    | 34                   | 43                   | 0                                                       |
| 36                    | 35                   | 9                    | 0                                                       |
| 37                    | 37                   | 32                   | 0                                                       |
| 38                    | 37                   | 53                   | 0                                                       |
| 39                    | 38                   | 15                   | 0                                                       |
| 40                    | 38                   | 36                   | 0                                                       |
| 41                    | 38                   | 58                   | 0                                                       |
| 42                    | 39                   | 19                   | 0                                                       |
| 43                    | 39                   | 41                   | 0                                                       |
| 44                    | 40                   | 2                    | 0                                                       |
| 45                    | 40                   | 24                   | 0                                                       |
| 46                    | 40                   | 45                   | 0                                                       |
| 47                    | 41                   | 7                    | 0                                                       |
| 48                    | 41                   | 28                   | 0                                                       |
| 49                    | 41                   | 50                   | 0                                                       |
| 50                    | 42                   | 11                   | 0                                                       |
| 51                    | 42                   | 32                   | 0                                                       |
| 52                    | 42                   | 54                   | 0                                                       |
| 53                    | 43                   | 15                   | 0                                                       |
| 54                    | 43                   | 37                   | 0                                                       |
| 55                    | 43                   | 58                   | 0                                                       |
| 56                    | 44                   | 20                   | 0                                                       |
| 57                    | 44                   | 41                   | 0                                                       |
| 58                    | 45                   | 3                    | 0                                                       |
| 59                    | 45                   | 24                   | 0                                                       |
| 60                    | 45                   | 46                   | 0                                                       |
| 61                    | 46                   | 7                    | 0                                                       |
| 62                    | 46                   | 28                   | 0                                                       |
| 63                    | 46                   | 49                   | 1                                                       |
| 64                    | 47                   | 10                   | 0                                                       |
| 65                    | 47                   | 32                   | 0                                                       |
| 66                    | 47                   | 53                   | 0                                                       |
| 67                    | 48                   | 14                   | 0                                                       |
| 68                    | 48                   | 35                   | 0                                                       |
| 69                    | *                    | 0                    | 0                                                       |
| 70                    | 49                   | 17                   | 1                                                       |
| 71                    | 49                   | 38                   | 1                                                       |
| 72                    | *                    | 0                    | 1                                                       |
| 73                    | 50                   | 20                   | 1                                                       |
| 74                    | 50                   | 41                   | 1                                                       |
| 75                    | 51                   | 2                    | 1                                                       |
| 76                    | 51                   | 24                   | 1                                                       |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 77                    | 51                   | 45                   | 0                                                       |
| 78                    | 52                   | 6                    | 1                                                       |
| 79                    | 52                   | 27                   | 1                                                       |
| 80                    | 52                   | 48                   | 0                                                       |
| 81                    | 53                   | 9                    | 2                                                       |
| 82                    | 53                   | 30                   | 2                                                       |
| 83                    | 53                   | 52                   | 1                                                       |
| 84                    | *                    | *                    | 1                                                       |
| 85                    | 54                   | 34                   | 2                                                       |
| 86                    | 54                   | 55                   | 2                                                       |
| 87                    | *                    | 12                   | 1                                                       |
| 88                    | 55                   | 37                   | 2                                                       |
| 89                    | 55                   | 58                   | 2                                                       |
| 90                    | 56                   | 19                   | 1                                                       |
| 91                    | 56                   | 40                   | 1                                                       |
| 92                    | 57                   | 1                    | 2                                                       |
| 93                    | 57                   | 22                   | 1                                                       |
| 94                    | 57                   | 43                   | 1                                                       |
| 95                    | 58                   | 4                    | 10                                                      |
| 96                    | 58                   | 25                   | 15                                                      |
| 97                    | 58                   | 46                   | 15                                                      |
| 98                    | 59                   | 7                    | 18                                                      |
| 99                    | 59                   | 28                   | 17                                                      |
| 100                   | 59                   | 49                   | 18                                                      |
| 101                   | 60                   | 10                   | 18                                                      |
| 102                   | 60                   | 31                   | 20                                                      |
| 103                   | 60                   | 52                   | 23                                                      |
| 104                   | 61                   | 13                   | 15                                                      |
| 105                   | 61                   | 34                   | 21                                                      |
| 106                   | 61                   | 56                   | 21                                                      |
| 107                   | 62                   | 17                   | 21                                                      |
| 108                   | 62                   | 38                   | 18                                                      |
| 109                   | *                    | *                    | 28                                                      |
| 110                   | 63                   | 20                   | 21                                                      |
| 111                   | 63                   | 42                   | 22                                                      |
| 112                   | 64                   | 3                    | 16                                                      |
| 113                   | 64                   | 24                   | *                                                       |
| 114                   | 64                   | 45                   | 20                                                      |
| 115                   | 65                   | 7                    | 18                                                      |
| 116                   | 65                   | 28                   | 17                                                      |
| 117                   | 65                   | 49                   | 21                                                      |
| 118                   | 66                   | 10                   | 22                                                      |
| 119                   | 66                   | 32                   | 22                                                      |
| 120                   | 66                   | 53                   | *                                                       |
| 121                   | 67                   | 14                   | 23                                                      |
| 122                   | 67                   | 36                   | 23                                                      |
| 123                   | 67                   | 57                   | 23                                                      |
| 124                   | 68                   | 18                   | 23                                                      |
| 125                   | 68                   | 39                   | 23                                                      |
| 126                   | 69                   | 1                    | 23                                                      |



| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG. 1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|
| 127                   | 69                   | 22                   | 23                                                       |
| 128                   | 69                   | 43                   | 23                                                       |
| 129                   | 70                   | 5                    | 24                                                       |
| 130                   | 70                   | 26                   | 24                                                       |
| 131                   | 70                   | 47                   | 24                                                       |
| 132                   | 71                   | 8                    | 23                                                       |
| 133                   | 71                   | 30                   | 22                                                       |
| 134                   | 71                   | 51                   | 24                                                       |
| 135                   | 72                   | 12                   | 22                                                       |
| 136                   | 72                   | 33                   | 23                                                       |
| 137                   | 72                   | 54                   | 24                                                       |
| 138                   | 73                   | 16                   | 23                                                       |
| 139                   | 73                   | 37                   | 23                                                       |
| 140                   | 73                   | 58                   | 24                                                       |
| 141                   | 74                   | 19                   | 23                                                       |
| 142                   | 74                   | 41                   | 24                                                       |
| 143                   | 75                   | 2                    | 23                                                       |
| 144                   | 75                   | 23                   | 23                                                       |
| 145                   | 75                   | 44                   | 22                                                       |
| 146                   | 76                   | 6                    | 25                                                       |
| 147                   | 76                   | 27                   | 24                                                       |
| 148                   | 76                   | 48                   | 25                                                       |
| 149                   | 77                   | 9                    | 23                                                       |
| 150                   | 77                   | 31                   | 23                                                       |
| 151                   | 77                   | 52                   | 24                                                       |
| 152                   | 78                   | 13                   | 22                                                       |
| 153                   | 78                   | 34                   | 23                                                       |
| 154                   | 78                   | 56                   | 23                                                       |
| 155                   | 79                   | 17                   | 22                                                       |
| 156                   | 79                   | 38                   | 23                                                       |
| 157                   | 79                   | 59                   | 24                                                       |
| 158                   | 80                   | 21                   | 23                                                       |
| 159                   | 80                   | 42                   | 23                                                       |
| 160                   | 81                   | 2                    | 22                                                       |
| 161                   | 81                   | 25                   | 21                                                       |
| 162                   | 81                   | 46                   | 24                                                       |
| 163                   | 82                   | 8                    | 23                                                       |
| 164                   | 82                   | 29                   | 23                                                       |
| 165                   | 82                   | 50                   | 23                                                       |
| 166                   | 83                   | 11                   | 23                                                       |
| 167                   | 83                   | 33                   | 23                                                       |
| 168                   | 83                   | 54                   | 23                                                       |
| 169                   | 84                   | 15                   | 23                                                       |
| 170                   | 84                   | 37                   | 24                                                       |
| 171                   | 84                   | 58                   | 25                                                       |
| 172                   | 85                   | 20                   | 24                                                       |
| 173                   | 85                   | 41                   | 24                                                       |
| 174                   | 86                   | 2                    | 22                                                       |
| 175                   | 86                   | 24                   | 23                                                       |
| 176                   | 86                   | 45                   | 23                                                       |

| -01<br>SHEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG. 1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|
| 177                   | 87                   | 7                    | 23                                                       |
| 178                   | 87                   | 28                   | 24                                                       |
| 179                   | 87                   | 49                   | 23                                                       |
| 180                   | 88                   | 11                   | 23                                                       |
| 181                   | 88                   | 32                   | 25                                                       |
| 182                   | 89                   | 54                   | 23                                                       |
| 183                   | 89                   | 15                   | 23                                                       |
| 184                   | 89                   | 36                   | 24                                                       |
| 185                   | 89                   | 58                   | 23                                                       |
| 186                   | 90                   | 19                   | 23                                                       |
| 187                   | 90                   | 40                   | 24                                                       |
| 188                   | 91                   | 1                    | 22                                                       |
| 189                   | 91                   | 22                   | 23                                                       |
| 190                   | 91                   | 43                   | 24                                                       |
| 191                   | 92                   | 4                    | 23                                                       |
| 192                   | 92                   | 25                   | 21                                                       |
| 193                   | 92                   | 46                   | 22                                                       |
| 194                   | 93                   | 7                    | 23                                                       |
| 195                   | 93                   | 28                   | 22                                                       |
| 196                   | 93                   | 49                   | 24                                                       |
| 197                   | 94                   | 11                   | 21                                                       |
| 198                   | 94                   | 32                   | 22                                                       |
| 199                   | 94                   | 53                   | 23                                                       |
| 200                   | 95                   | 15                   | 22                                                       |
| 201                   | 95                   | 36                   | 22                                                       |
| 202                   | 95                   | 57                   | 24                                                       |
| 203                   | 96                   | 19                   | 23                                                       |
| 204                   | 96                   | 40                   | 21                                                       |
| 205                   | 97                   | 1                    | 23                                                       |
| 206                   | 97                   | 23                   | 22                                                       |
| 207                   | 97                   | 44                   | 22                                                       |
| 208                   | 98                   | 5                    | 22                                                       |
| 209                   | 98                   | 27                   | 22                                                       |
| 210                   | 98                   | 48                   | 22                                                       |
| 211                   | 99                   | 9                    | 22                                                       |
| 212                   | 99                   | 31                   | 22                                                       |
| 213                   | 99                   | 52                   | 22                                                       |
| 214                   | 100                  | 13                   | 24                                                       |
| 215                   | 100                  | 34                   | 22                                                       |
| 216                   | 100                  | 56                   | 22                                                       |
| 217                   | 101                  | 17                   | 21                                                       |
| 218                   | 101                  | 38                   | 22                                                       |
| 219                   | 102                  | 0                    | 21                                                       |
| 220                   | 102                  | 21                   | 24                                                       |
| 221                   | 102                  | 43                   | 24                                                       |
| 222                   | 103                  | 4                    | 22                                                       |
| 223                   | 103                  | 26                   | 21                                                       |
| 224                   | 103                  | 47                   | 23                                                       |
| 225                   | 104                  | 8                    | 22                                                       |
| 226                   | 104                  | 30                   | 23                                                       |

328

| -11<br>SWEEP<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 227                   | 104                  | 51                   | 22                                                      |
| 228                   | 105                  | 12                   | 24                                                      |
| 229                   | 105                  | 34                   | 23                                                      |
| 230                   | 105                  | 55                   | 24                                                      |
| 231                   | 106                  | 16                   | 23                                                      |
| 232                   | 106                  | 38                   | 23                                                      |
| 233                   | 106                  | 59                   | 22                                                      |
| 234                   | 107                  | 20                   | 23                                                      |
| 235                   | 107                  | 42                   | 23                                                      |
| 236                   | 108                  | 3                    | 22                                                      |
| 237                   | 108                  | 24                   | 24                                                      |
| 238                   | 108                  | 46                   | 23                                                      |
| 239                   | 109                  | 7                    | 23                                                      |
| 240                   | 109                  | 28                   | 23                                                      |
| 241                   | 109                  | 58                   | 23                                                      |
| 242                   | 110                  | 11                   | 22                                                      |
| 243                   | 110                  | 32                   | 22                                                      |
| 244                   | 110                  | 54                   | 22                                                      |
| 245                   | 111                  | 15                   | 22                                                      |
| 246                   | 111                  | 37                   | 22                                                      |
| 247                   | 111                  | 58                   | 21                                                      |
| 248                   | 112                  | 19                   | 23                                                      |
| 249                   | 112                  | 41                   | 22                                                      |
| 250                   | 113                  | 2                    | 21                                                      |
| 251                   | 113                  | 23                   | 23                                                      |
| 252                   | 113                  | 44                   | 22                                                      |
| 253                   | 114                  | 5                    | 24                                                      |
| 254                   | 114                  | 25                   | 20                                                      |
| 255                   | 114                  | 48                   | 21                                                      |
| 256                   | 115                  | 9                    | 18                                                      |
| 257                   | 115                  | 30                   | 23                                                      |
| 258                   | 115                  | 51                   | 23                                                      |
| 259                   | 116                  | 12                   | 23                                                      |
| 260                   | 116                  | 33                   | 22                                                      |
| 261                   | 116                  | 54                   | 22                                                      |
| 262                   | 117                  | 15                   | 22                                                      |
| 263                   | 117                  | 37                   | 21                                                      |
| 264                   | 117                  | 58                   | 19                                                      |
| 265                   | 118                  | 19                   | 19                                                      |
| 266                   | 118                  | 40                   | 19                                                      |
| 267                   | 119                  | 1                    | 20                                                      |
| 268                   | 119                  | 22                   | 21                                                      |
| 269                   | 119                  | 43                   | 20                                                      |
| 270                   | 120                  | 4                    | 20                                                      |
| 271                   | 120                  | 25                   | 21                                                      |
| 272                   | 120                  | 46                   | 21                                                      |
| 273                   | 121                  | 7                    | 22                                                      |
| 274                   | 121                  | 28                   | 22                                                      |
| 275                   | 121                  | 49                   | 22                                                      |
| 276                   | 122                  | 10                   | 21                                                      |

| -01<br>SWEET<br>COUNT | 1-02<br>TIME<br>MIN. | 1-03<br>TIME<br>SEC. | 1-26<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|
| 277                   | 122                  | 31                   | 21                                                      |
| 278                   | 122                  | 52                   | 19                                                      |
| 279                   | 123                  | 13                   | 18                                                      |
| 280                   | 123                  | 34                   | 21                                                      |
| 281                   | 123                  | 55                   | 21                                                      |
| 282                   | 124                  | 16                   | 23                                                      |
| 283                   | 124                  | 37                   | 21                                                      |
| 284                   | 124                  | 58                   | 22                                                      |
| 285                   | 125                  | 19                   | 23                                                      |
| 286                   | 125                  | 41                   | 21                                                      |
| 287                   | 126                  | 2                    | 21                                                      |
| 288                   | 126                  | 23                   | 22                                                      |
| 289                   | 126                  | 44                   | 21                                                      |
| 290                   | 127                  | 5                    | 22                                                      |
| 291                   | 127                  | 26                   | 21                                                      |
| 292                   | 127                  | 47                   | 21                                                      |
| 293                   | 128                  | 6                    | 15                                                      |
| 294                   | 128                  | 28                   | 16                                                      |
| 295                   | 128                  | 48                   | 21                                                      |
| 296                   | 129                  | 9                    | 21                                                      |
| 297                   | 129                  | 31                   | 22                                                      |
| 298                   | 129                  | 52                   | 22                                                      |
| 299                   | 130                  | 13                   | 21                                                      |
| 300                   | 130                  | 34                   | 22                                                      |
| 301                   | 130                  | 55                   | 22                                                      |
| 302                   | 131                  | 16                   | 22                                                      |
| 303                   | 131                  | 37                   | 21                                                      |
| 304                   | 131                  | 58                   | 21                                                      |
| 305                   | 132                  | 20                   | 22                                                      |
| 306                   | 132                  | 41                   | 23                                                      |
| 307                   | 133                  | 2                    | 21                                                      |
| 308                   | 133                  | 23                   | 21                                                      |
| 309                   | 133                  | 45                   | 22                                                      |
| 310                   | 134                  | 6                    | 23                                                      |
| 311                   | 134                  | 27                   | 16                                                      |
| 312                   | 134                  | 48                   | 18                                                      |
| 313                   | 135                  | 9                    | 21                                                      |
| 314                   | 135                  | 30                   | 18                                                      |
| 315                   | 135                  | 52                   | 18                                                      |
| 316                   | 136                  | 13                   | 18                                                      |
| 317                   | 136                  | 34                   | 22                                                      |
| 318                   | 136                  | 55                   | 21                                                      |
| 319                   | 137                  | 16                   | 22                                                      |
| 320                   | 137                  | 38                   | 21                                                      |
| 321                   | 137                  | 59                   | 20                                                      |
| 322                   | 138                  | 21                   | 13                                                      |
| 323                   | 138                  | 42                   | 1                                                       |
| 324                   | 139                  | 3                    | 3                                                       |
| 325                   | 139                  | 24                   | 3                                                       |
| 326                   | 139                  | 45                   | 5                                                       |

1-26  
ENG. 1  
FUEL  
PUMP  
INLET  
PRESS  
PSIG

4  
5

1-03  
TIME  
SEC.

6  
27

1-02  
TIME  
MIN.

140  
140

-01  
SHEEP  
COUNT

327  
320

00  
0

HM-53C S/N 60-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL. 1<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL. 1<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PRESS<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>PRESS<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PRESS<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------|
| 32                    | 32                   | 11                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | 3                                                       |
| 33                    | 32                   | 33                   | *                                                        | *                                                         | *                                                                  | -2                                                       | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | 3                                                       |
| 34                    | 32                   | 54                   | *                                                        | *                                                         | *                                                                  | -1                                                       | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | 2                                                       |
| 35                    | *                    | *                    | -0                                                       | *                                                         | *                                                                  | 0                                                        | 0                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | 4                                                       |
| 36                    | 35                   | 12                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 37                    | *                    | *                    | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 38                    | 37                   | 56                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 39                    | 38                   | 17                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 40                    | 38                   | 39                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 41                    | 39                   | 0                    | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 42                    | 39                   | 22                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 43                    | 39                   | 43                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 44                    | 40                   | 5                    | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 45                    | 40                   | 26                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 46                    | 40                   | 48                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 47                    | 41                   | 9                    | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 48                    | 41                   | 31                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 49                    | 41                   | 52                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 50                    | 42                   | 14                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 51                    | 42                   | 35                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 52                    | 42                   | 56                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 53                    | 43                   | 18                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 54                    | 43                   | 39                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 55                    | 44                   | 1                    | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 56                    | 44                   | 22                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 57                    | 44                   | 44                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | *                                                       |
| 58                    | 45                   | 5                    | *                                                        | *                                                         | *                                                                  | 21                                                       | 2740                                                      | 2534                                                               | *                                                                     | *                                                                    | *                                                                 | 6                                                       |
| 59                    | 45                   | 27                   | *                                                        | *                                                         | *                                                                  | 24                                                       | 2720                                                      | 2624                                                               | *                                                                     | *                                                                    | *                                                                 | 6                                                       |
| 60                    | 45                   | 48                   | *                                                        | *                                                         | *                                                                  | 14                                                       | 2700                                                      | 2639                                                               | *                                                                     | *                                                                    | *                                                                 | 9                                                       |
| 61                    | 46                   | 10                   | *                                                        | *                                                         | *                                                                  | *                                                        | *                                                         | *                                                                  | *                                                                     | *                                                                    | *                                                                 | 16                                                      |
| 62                    | 46                   | 31                   | *                                                        | *                                                         | 0                                                                  | 14                                                       | 2800                                                      | 2305                                                               | 2                                                                     | 16                                                                   | 0                                                                 | 12                                                      |
| 63                    | 46                   | 52                   | *                                                        | *                                                         | 40                                                                 | 40                                                       | 3000                                                      | 2937                                                               | 14                                                                    | 14                                                                   | 0                                                                 | 15                                                      |
| 64                    | 47                   | 13                   | *                                                        | *                                                         | 40                                                                 | 30                                                       | 3000                                                      | 2932                                                               | 26                                                                    | 22                                                                   | 12                                                                | 15                                                      |
| 65                    | 47                   | 34                   | -0                                                       | 0                                                         | 5                                                                  | 27                                                       | 2960                                                      | 2922                                                               | 24                                                                    | 24                                                                   | 2                                                                 | 13                                                      |
| 66                    | 47                   | 55                   | -0                                                       | 0                                                         | 15                                                                 | 40                                                       | 3020                                                      | 2942                                                               | 26                                                                    | 26                                                                   | 4                                                                 | 15                                                      |
| 67                    | 48                   | 16                   | -0                                                       | 0                                                         | 20                                                                 | 32                                                       | 2960                                                      | 2932                                                               | 36                                                                    | 20                                                                   | 8                                                                 | 13                                                      |
| 68                    | 48                   | 37                   | -0                                                       | 0                                                         | 50                                                                 | 41                                                       | 2930                                                      | 2927                                                               | 26                                                                    | 20                                                                   | 20                                                                | 15                                                      |
| 69                    | 48                   | 59                   | -0                                                       | 0                                                         | 50                                                                 | 24                                                       | 2865                                                      | 2922                                                               | 32                                                                    | 24                                                                   | 8                                                                 | 15                                                      |
| 70                    | 49                   | 20                   | -0                                                       | 0                                                         | 20                                                                 | 23                                                       | 3000                                                      | 2887                                                               | 26                                                                    | 28                                                                   | 28                                                                | 14                                                      |
| 71                    | 49                   | 41                   | *                                                        | 0                                                         | 15                                                                 | 27                                                       | 2275                                                      | 2981                                                               | 26                                                                    | 18                                                                   | 16                                                                | 14                                                      |
| 72                    | 50                   | 2                    | 0                                                        | 0                                                         | 50                                                                 | 14                                                       | 2945                                                      | 2872                                                               | 36                                                                    | 1033                                                                 | 942                                                               | 13                                                      |
| 73                    | 50                   | 23                   | -0                                                       | 0                                                         | 30                                                                 | 26                                                       | 2915                                                      | 2942                                                               | 1021                                                                  | 1033                                                                 | 8                                                                 | 15                                                      |
| 74                    | 50                   | 54                   | -0                                                       | 0                                                         | 20                                                                 | 19                                                       | 2925                                                      | 2912                                                               | 1021                                                                  | 1033                                                                 | 10                                                                | 15                                                      |
| 75                    | 51                   | 5                    | -0                                                       | 0                                                         | 15                                                                 | 26                                                       | 2980                                                      | 2857                                                               | 1067                                                                  | 1043                                                                 | 8                                                                 | 15                                                      |
| 76                    | 51                   | 26                   | -0                                                       | 0                                                         | 40                                                                 | 27                                                       | 2970                                                      | 2897                                                               | 1019                                                                  | 1027                                                                 | 16                                                                | 14                                                      |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>SERVO<br>CYL. 1<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 77                    | 51                   | 47                   | -0                                                       | 0                                                         | 40                                                       | 41                                                       | 2665                                                      | 2907                                              | 1013                                                         | 1013                                                        | 16                                                       | 16                                                      |
| 78                    | 52                   | 8                    | -0                                                       | 20                                                        | 15                                                       | 40                                                       | 2660                                                      | 2907                                              | 1009                                                         | 1027                                                        | 15                                                       | 15                                                      |
| 79                    | 52                   | 29                   | -0                                                       | 0                                                         | 50                                                       | 21                                                       | 3000                                                      | 2907                                              | 1007                                                         | 1009                                                        | 18                                                       | 16                                                      |
| 80                    | 52                   | 51                   | -0                                                       | 0                                                         | 45                                                       | 20                                                       | 2925                                                      | 2892                                              | 1017                                                         | 1009                                                        | 24                                                       | 17                                                      |
| 81                    | 53                   | 12                   | -0                                                       | 0                                                         | 15                                                       | 21                                                       | 2940                                                      | 2902                                              | 1013                                                         | 1013                                                        | 10                                                       | 16                                                      |
| 82                    | 53                   | 33                   | -0                                                       | 10                                                        | 40                                                       | 27                                                       | 2905                                                      | 2887                                              | 1017                                                         | 1011                                                        | 8                                                        | 14                                                      |
| 83                    | 53                   | 54                   | 6                                                        | 815                                                       | 863                                                      | 30                                                       | 2960                                                      | 2927                                              | 1011                                                         | 1001                                                        | 10                                                       | 20                                                      |
| 84                    | 54                   | 15                   | 19                                                       | 2759                                                      | 2806                                                     | 21                                                       | 3000                                                      | 2892                                              | 1013                                                         | 1009                                                        | 15                                                       | 15                                                      |
| 85                    | 54                   | 36                   | 41                                                       | 2804                                                      | 2876                                                     | 21                                                       | 2950                                                      | 2932                                              | 1003                                                         | 1005                                                        | 12                                                       | 14                                                      |
| 86                    | 54                   | 57                   | 16                                                       | 2869                                                      | 2886                                                     | 21                                                       | 3080                                                      | 2877                                              | 1013                                                         | 1007                                                        | 6                                                        | 15                                                      |
| 87                    | 55                   | 19                   | 25                                                       | 2834                                                      | 2921                                                     | 22                                                       | 3080                                                      | 2877                                              | 1009                                                         | 1007                                                        | 4                                                        | 14                                                      |
| 88                    | 55                   | 40                   | 15                                                       | 2920                                                      | 2911                                                     | 32                                                       | 2950                                                      | 2892                                              | 1003                                                         | 1015                                                        | 16                                                       | 13                                                      |
| 89                    | 56                   | 1                    | 25                                                       | 2925                                                      | 2925                                                     | 22                                                       | 2920                                                      | 2897                                              | 1009                                                         | 993                                                         | 16                                                       | 13                                                      |
| 90                    | 56                   | 22                   | 23                                                       | 2920                                                      | 2866                                                     | 32                                                       | 2880                                                      | 2897                                              | 1013                                                         | 1013                                                        | 16                                                       | 15                                                      |
| 91                    | 56                   | 43                   | 24                                                       | 2864                                                      | 2871                                                     | 34                                                       | 2925                                                      | 2882                                              | 1003                                                         | 10                                                          | 2                                                        | 14                                                      |
| 92                    | 57                   | 4                    | 29                                                       | 2950                                                      | 2961                                                     | 17                                                       | 2990                                                      | 2897                                              | 1015                                                         | 1015                                                        | 20                                                       | 16                                                      |
| 93                    | 57                   | 25                   | 41                                                       | 2900                                                      | 3012                                                     | 25                                                       | 2870                                                      | 2867                                              | 1003                                                         | 909                                                         | 2                                                        | 16                                                      |
| 94                    | 57                   | 46                   | 21                                                       | 3020                                                      | 2971                                                     | 41                                                       | 3020                                                      | 2897                                              | 1007                                                         | 1023                                                        | 20                                                       | 12                                                      |
| 95                    | 58                   | 7                    | 26                                                       | 2980                                                      | 3012                                                     | 32                                                       | 2955                                                      | 2872                                              | 996                                                          | 1011                                                        | 20                                                       | 13                                                      |
| 96                    | 58                   | 28                   | 25                                                       | 2880                                                      | 2941                                                     | 27                                                       | 2960                                                      | 2872                                              | 996                                                          | 1011                                                        | 4                                                        | 13                                                      |
| 97                    | 58                   | 49                   | 21                                                       | 2920                                                      | 2836                                                     | 21                                                       | 2960                                                      | 2872                                              | 996                                                          | 963                                                         | 2                                                        | 11                                                      |
| 98                    | 59                   | 9                    | 21                                                       | 2814                                                      | 2856                                                     | 25                                                       | 2790                                                      | 2773                                              | 940                                                          | 963                                                         | 2                                                        | 13                                                      |
| 99                    | 59                   | 30                   | 21                                                       | 2844                                                      | 2931                                                     | 40                                                       | 2860                                                      | 2847                                              | 994                                                          | 1007                                                        | 6                                                        | 14                                                      |
| 100                   | 59                   | 51                   | 29                                                       | 2849                                                      | 2936                                                     | 32                                                       | 2860                                                      | 2847                                              | 994                                                          | 1011                                                        | 4                                                        | 13                                                      |
| 101                   | 60                   | 12                   | 28                                                       | 2950                                                      | 3012                                                     | 32                                                       | 2880                                                      | 2932                                              | 1019                                                         | 999                                                         | 20                                                       | 13                                                      |
| 102                   | 60                   | 33                   | 32                                                       | 2885                                                      | 2961                                                     | 21                                                       | 2940                                                      | 2922                                              | 1005                                                         | 1009                                                        | 20                                                       | 13                                                      |
| 103                   | 61                   | 16                   | 29                                                       | 2890                                                      | 2916                                                     | 21                                                       | 2950                                                      | 2872                                              | 1007                                                         | 1011                                                        | 2                                                        | 15                                                      |
| 104                   | 61                   | 37                   | 29                                                       | 2890                                                      | 2916                                                     | 32                                                       | 2880                                                      | 2932                                              | 1003                                                         | 1019                                                        | 12                                                       | 13                                                      |
| 105                   | 61                   | 58                   | 24                                                       | 2900                                                      | 3001                                                     | 29                                                       | 2880                                                      | 2887                                              | 1005                                                         | 973                                                         | 5                                                        | 13                                                      |
| 106                   | 61                   | 58                   | 24                                                       | 2900                                                      | 3001                                                     | 29                                                       | 2870                                                      | 2882                                              | 982                                                          | 1001                                                        | 20                                                       | 14                                                      |
| 107                   | 62                   | 19                   | 23                                                       | 2920                                                      | 2916                                                     | 40                                                       | 2865                                                      | 2832                                              | 986                                                          | 999                                                         | -6                                                       | 14                                                      |
| 108                   | 62                   | 41                   | 40                                                       | 2890                                                      | 3001                                                     | 21                                                       | 2860                                                      | 2862                                              | 970                                                          | 1001                                                        | 2                                                        | 13                                                      |
| 109                   | 63                   | 2                    | 17                                                       | 2834                                                      | 2961                                                     | 28                                                       | 2905                                                      | 2922                                              | 980                                                          | 991                                                         | 2                                                        | 14                                                      |
| 110                   | 63                   | 23                   | 29                                                       | 2839                                                      | 2926                                                     | 27                                                       | 2805                                                      | 2842                                              | 962                                                          | 991                                                         | 10                                                       | 14                                                      |
| 111                   | 63                   | 44                   | 27                                                       | 2880                                                      | 2921                                                     | 17                                                       | 2860                                                      | 2892                                              | 980                                                          | 993                                                         | 0                                                        | 14                                                      |
| 112                   | 64                   | 5                    | 21                                                       | 2824                                                      | 2961                                                     | 21                                                       | 2815                                                      | 2867                                              | 1003                                                         | 981                                                         | 2                                                        | 14                                                      |
| 113                   | 64                   | 27                   | 30                                                       | 2880                                                      | 2971                                                     | 21                                                       | 2860                                                      | 2892                                              | 1000                                                         | 1005                                                        | 2                                                        | 18                                                      |
| 114                   | 64                   | 48                   | 32                                                       | 2975                                                      | 2971                                                     | 28                                                       | 2915                                                      | 2902                                              | 980                                                          | 1015                                                        | 6                                                        | 14                                                      |
| 115                   | 65                   | 9                    | 21                                                       | 2824                                                      | 2911                                                     | 20                                                       | 2865                                                      | 2872                                              | 986                                                          | 989                                                         | 6                                                        | 15                                                      |
| 116                   | 65                   | 28                   | 27                                                       | 2930                                                      | 2926                                                     | 32                                                       | 2905                                                      | 2862                                              | 990                                                          | 1015                                                        | 15                                                       | 13                                                      |
| 117                   | 65                   | 52                   | 25                                                       | 2980                                                      | 2951                                                     | 23                                                       | 3000                                                      | 2887                                              | 990                                                          | 1007                                                        | 4                                                        | 12                                                      |
| 118                   | 66                   | 13                   | 23                                                       | 2824                                                      | 2961                                                     | 32                                                       | 2945                                                      | 2872                                              | 991                                                          | 1000                                                        | 2                                                        | 13                                                      |
| 119                   | 66                   | 34                   | 48                                                       | 2880                                                      | 2971                                                     | 21                                                       | 2880                                                      | 2847                                              | 1005                                                         | 1005                                                        | 2                                                        | 15                                                      |
| 120                   | 66                   | 56                   | 21                                                       | 2849                                                      | 2906                                                     | 32                                                       | 2805                                                      | 2862                                              | 980                                                          | 1001                                                        | 4                                                        | 15                                                      |
| 121                   | 67                   | 17                   | 25                                                       | 2824                                                      | 2881                                                     | 25                                                       | 2950                                                      | 2887                                              | 1000                                                         | 993                                                         | 4                                                        | 15                                                      |
| 122                   | 67                   | 38                   | 20                                                       | 2859                                                      | 2926                                                     | 25                                                       | 2940                                                      | 2832                                              | 1000                                                         | 993                                                         | 8                                                        | 15                                                      |
| 123                   | 68                   | 0                    | 26                                                       | 2920                                                      | 2901                                                     | 21                                                       | 2860                                                      | 2877                                              | 982                                                          | 993                                                         | 0                                                        | 15                                                      |
| 124                   | 68                   | 42                   | 24                                                       | 2839                                                      | 2936                                                     | 40                                                       | 2980                                                      | 2882                                              | 980                                                          | 989                                                         | -6                                                       | 13                                                      |
| 125                   | 68                   | 68                   | 24                                                       | 2880                                                      | 2936                                                     | 24                                                       | 3050                                                      | 2907                                              | 974                                                          | 997                                                         | 0                                                        | 18                                                      |
| 126                   | 69                   | 3                    | 30                                                       | 2849                                                      | 2951                                                     | 34                                                       | 2825                                                      | 2882                                              | 986                                                          | 1009                                                        | 6                                                        | 13                                                      |

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>CAFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAM)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>CHAM)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAM)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 127                   | 59                   | 25                   | 24                                              | 2639                                            | 2906                                            | 27                                              | 2805                                                      | 2837                                                     | 1000                                                         | 1007                                                | +                                                        | 18                                                      |
| 128                   | 59                   | 46                   | 21                                              | 2814                                            | 2911                                            | 13                                              | 2865                                                      | 2837                                                     | 996                                                          | 1011                                                | -2                                                       | 15                                                      |
| 129                   | 70                   | 7                    | 31                                              | 2970                                            | 2866                                            | 21                                              | 2830                                                      | 2892                                                     | 1005                                                         | 1007                                                | 0                                                        | 13                                                      |
| 130                   | 70                   | 28                   | 21                                              | 2814                                            | 2971                                            | 40                                              | 2880                                                      | 2877                                                     | 1000                                                         | 991                                                 | 16                                                       | 14                                                      |
| 131                   | 70                   | 50                   | *                                               | *                                               | 2911                                            | 32                                              | 2865                                                      | 2867                                                     | 1005                                                         | 1005                                                | 0                                                        | 12                                                      |
| 132                   | 71                   | 11                   | 32                                              | 2824                                            | 2931                                            | 25                                              | 2950                                                      | 2902                                                     | 1000                                                         | 1007                                                | 8                                                        | 15                                                      |
| 133                   | 71                   | 32                   | 29                                              | 2839                                            | 2926                                            | 32                                              | 2955                                                      | 2872                                                     | 996                                                          | 1003                                                | 16                                                       | 13                                                      |
| 134                   | 71                   | 53                   | 29                                              | 2824                                            | 2891                                            | 40                                              | 2915                                                      | 2872                                                     | 982                                                          | 979                                                 | -2                                                       | 18                                                      |
| 135                   | 72                   | 15                   | 32                                              | 2824                                            | 2846                                            | 21                                              | 2880                                                      | 2803                                                     | 994                                                          | 993                                                 | *                                                        | 14                                                      |
| 136                   | 72                   | 36                   | 21                                              | 2824                                            | 2851                                            | 13                                              | 2865                                                      | 2847                                                     | 984                                                          | 1001                                                | 0                                                        | 13                                                      |
| 137                   | 72                   | 57                   | 25                                              | 2970                                            | 2906                                            | 20                                              | 2885                                                      | 2881                                                     | 994                                                          | 1005                                                | 0                                                        | 18                                                      |
| 138                   | 73                   | 18                   | 34                                              | 2839                                            | 2916                                            | 24                                              | 2885                                                      | 2882                                                     | 998                                                          | 1009                                                | 2                                                        | 14                                                      |
| 139                   | 73                   | 40                   | 29                                              | 2839                                            | 2906                                            | 23                                              | 2950                                                      | 2897                                                     | 988                                                          | 1003                                                | 0                                                        | 14                                                      |
| 140                   | 74                   | 1                    | 32                                              | 2880                                            | 2961                                            | 32                                              | 2935                                                      | 2877                                                     | 988                                                          | 1007                                                | 2                                                        | 15                                                      |
| 141                   | 74                   | 22                   | 25                                              | 2839                                            | 2916                                            | 32                                              | 2960                                                      | 2847                                                     | 1005                                                         | 1001                                                | 16                                                       | 12                                                      |
| 142                   | 74                   | *                    | 29                                              | 2839                                            | 2916                                            | 23                                              | 2930                                                      | 2847                                                     | 1000                                                         | 991                                                 | 2                                                        | 11                                                      |
| 143                   | 75                   | 4                    | 40                                              | 2839                                            | 2911                                            | 19                                              | 2825                                                      | 2867                                                     | 993                                                          | 993                                                 | 16                                                       | 12                                                      |
| 144                   | 75                   | 26                   | 41                                              | 2834                                            | 2826                                            | 26                                              | 2900                                                      | 2852                                                     | 1005                                                         | 973                                                 | *                                                        | 13                                                      |
| 145                   | 75                   | 47                   | 21                                              | 2880                                            | 2895                                            | 22                                              | 2880                                                      | 2882                                                     | 992                                                          | 1003                                                | *                                                        | 15                                                      |
| 146                   | 76                   | 8                    | 41                                              | 2880                                            | 2931                                            | *                                               | *                                                         | 2877                                                     | 986                                                          | 987                                                 | +                                                        | 18                                                      |
| 147                   | 76                   | 29                   | 17                                              | 2824                                            | 2831                                            | 24                                              | 2915                                                      | 2852                                                     | 986                                                          | 997                                                 | 8                                                        | 12                                                      |
| 148                   | 76                   | 51                   | 25                                              | 2839                                            | 2866                                            | 22                                              | 2965                                                      | 2837                                                     | 992                                                          | 1007                                                | -2                                                       | 12                                                      |
| 149                   | 77                   | 12                   | 24                                              | 2739                                            | 2906                                            | 34                                              | 3030                                                      | 2817                                                     | 976                                                          | 995                                                 | 0                                                        | 16                                                      |
| 150                   | 77                   | 33                   | 21                                              | 2864                                            | 2911                                            | 23                                              | 2885                                                      | 2837                                                     | 984                                                          | *                                                   | *                                                        | *                                                       |
| 151                   | 77                   | 54                   | 26                                              | 2930                                            | 2856                                            | 19                                              | 2830                                                      | 2788                                                     | 984                                                          | 987                                                 | -8                                                       | 14                                                      |
| 152                   | 78                   | 16                   | 13                                              | 2824                                            | 2881                                            | 32                                              | 2895                                                      | 2837                                                     | 1000                                                         | 981                                                 | -2                                                       | 13                                                      |
| 153                   | 78                   | 37                   | 29                                              | 2839                                            | 2911                                            | 12                                              | 2865                                                      | 2872                                                     | 980                                                          | 979                                                 | -2                                                       | 15                                                      |
| 154                   | 78                   | 50                   | 24                                              | 2739                                            | 2906                                            | 34                                              | 2730                                                      | 2882                                                     | 982                                                          | 987                                                 | -8                                                       | 15                                                      |
| 155                   | 79                   | 20                   | 22                                              | 2744                                            | 2921                                            | 25                                              | 2930                                                      | 2872                                                     | 984                                                          | 989                                                 | 0                                                        | 14                                                      |
| 156                   | 79                   | 41                   | 19                                              | 2824                                            | 2931                                            | 30                                              | 2945                                                      | 2892                                                     | 1015                                                         | 1015                                                | 0                                                        | 13                                                      |
| 157                   | 80                   | 2                    | 21                                              | 2784                                            | 2921                                            | 28                                              | 2840                                                      | 2832                                                     | 1000                                                         | 989                                                 | 2                                                        | 15                                                      |
| 158                   | 80                   | 23                   | 28                                              | 2839                                            | 2901                                            | 40                                              | 2850                                                      | 2817                                                     | 980                                                          | 997                                                 | 0                                                        | 12                                                      |
| 159                   | 80                   | 44                   | 28                                              | 2814                                            | 27                                              | 32                                              | 2885                                                      | 2817                                                     | 984                                                          | 989                                                 | -8                                                       | 13                                                      |
| 160                   | 81                   | 6                    | 28                                              | 2784                                            | 27                                              | 25                                              | 2795                                                      | 2832                                                     | 984                                                          | 983                                                 | +                                                        | 11                                                      |
| 161                   | 81                   | 27                   | 41                                              | 2698                                            | 2831                                            | 26                                              | 2805                                                      | 2832                                                     | 972                                                          | 987                                                 | +                                                        | 11                                                      |
| 162                   | 81                   | 49                   | 26                                              | 2698                                            | 2841                                            | 21                                              | 2830                                                      | 2763                                                     | 976                                                          | 977                                                 | +                                                        | 11                                                      |
| 163                   | 82                   | 10                   | 40                                              | 2703                                            | 2886                                            | 40                                              | 2950                                                      | 2857                                                     | 986                                                          | 995                                                 | 0                                                        | 13                                                      |
| 164                   | 82                   | 31                   | 40                                              | 2930                                            | 2871                                            | 24                                              | 2855                                                      | 2842                                                     | 988                                                          | 983                                                 | +                                                        | 11                                                      |
| 165                   | 82                   | 53                   | 21                                              | 2839                                            | 2906                                            | 27                                              | 2805                                                      | 2872                                                     | 985                                                          | 987                                                 | 0                                                        | 11                                                      |
| 166                   | 83                   | 14                   | *                                               | 2920                                            | 2871                                            | 13                                              | 2860                                                      | 2852                                                     | 998                                                          | 991                                                 | -8                                                       | 12                                                      |
| 167                   | 83                   | 35                   | 25                                              | 2814                                            | 2841                                            | 19                                              | 2860                                                      | 2852                                                     | 986                                                          | 987                                                 | 0                                                        | 13                                                      |
| 168                   | 83                   | 57                   | 29                                              | 2799                                            | 2901                                            | 40                                              | 2945                                                      | 2852                                                     | 984                                                          | 993                                                 | 0                                                        | 13                                                      |
| 169                   | 84                   | 18                   | 21                                              | 2839                                            | 2871                                            | 21                                              | 2840                                                      | 2842                                                     | 980                                                          | 977                                                 | +                                                        | 12                                                      |
| 170                   | 84                   | 39                   | 25                                              | 2784                                            | 2911                                            | 21                                              | 2865                                                      | 2842                                                     | 980                                                          | 991                                                 | +                                                        | 13                                                      |
| 171                   | 85                   | 1                    | 29                                              | 2744                                            | 2891                                            | 19                                              | 2866                                                      | 2817                                                     | 984                                                          | 975                                                 | 0                                                        | 13                                                      |
| 172                   | 85                   | 22                   | 32                                              | 2784                                            | 2881                                            | 14                                              | 2900                                                      | 2803                                                     | 964                                                          | 987                                                 | +                                                        | 14                                                      |
| 173                   | 85                   | 43                   | 21                                              | 2739                                            | 2931                                            | 24                                              | 2815                                                      | 2882                                                     | 984                                                          | 987                                                 | +                                                        | 12                                                      |
| 174                   | 86                   | 5                    | 30                                              | 2930                                            | 2861                                            | 21                                              | 2890                                                      | 2852                                                     | 984                                                          | 991                                                 | +                                                        | 14                                                      |
| 175                   | 86                   | 26                   | 21                                              | 2839                                            | 2931                                            | 32                                              | 2869                                                      | 2847                                                     | 984                                                          | 977                                                 | +                                                        | 20                                                      |
| 176                   | 86                   | 43                   | 21                                              | 2839                                            | 2865                                            | 14                                              | 2850                                                      | 2852                                                     | 1007                                                         | 975                                                 | +                                                        | 13                                                      |



| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>SERVO<br>CYL.)<br>PRESS<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>/PITCH<br>/ROLL<br>CHAM)<br>PRESS<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>/COLL.<br>/YAW<br>CHAM)<br>PRESS<br>PSIG | 2-13<br>UTIL.<br>AFCS 2<br>/P/R<br>CHAM)<br>PRESS<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| 177                   | 87                   | 9                    | 26                                                       | 2920                                            | 2816                                                      | 13                                                       | 2860                                                      | 2852                                                      | 984                                                                   | 985                                                                  | *                                                         | 15                                                      |
| 178                   | 87                   | 31                   | 32                                                       | 2970                                            | 2801                                                      | 19                                                       | 2830                                                      | 2813                                                      | 988                                                                   | 989                                                                  | 0                                                         | 15                                                      |
| 179                   | 87                   | 52                   | 21                                                       | 2891                                            | 2891                                                      | 13                                                       | 2865                                                      | 2892                                                      | 1000                                                                  | 995                                                                  | 4                                                         | 13                                                      |
| 180                   | 88                   | 13                   | 21                                                       | 2839                                            | 2876                                                      | 24                                                       | 2905                                                      | 2882                                                      | 982                                                                   | 987                                                                  | *                                                         | 13                                                      |
| 181                   | 88                   | 35                   | 21                                                       | 2739                                            | 2836                                                      | 32                                                       | 2825                                                      | 2817                                                      | 980                                                                   | 985                                                                  | -4                                                        | 14                                                      |
| 182                   | 88                   | 56                   | 29                                                       | 2799                                            | 2841                                                      | 25                                                       | 2805                                                      | 2862                                                      | 987                                                                   | 987                                                                  | *                                                         | 13                                                      |
| 183                   | 89                   | 17                   | 21                                                       | 2839                                            | 2816                                                      | 26                                                       | 2865                                                      | 2817                                                      | 986                                                                   | 987                                                                  | *                                                         | 14                                                      |
| 184                   | 89                   | 39                   | 13                                                       | 2849                                            | 2866                                                      | 40                                                       | 2900                                                      | 2847                                                      | 974                                                                   | 981                                                                  | -4                                                        | 11                                                      |
| 185                   | 90                   | 0                    | 21                                                       | 2839                                            | 2866                                                      | 32                                                       | 2860                                                      | 2852                                                      | 1000                                                                  | 1005                                                                 | 4                                                         | 11                                                      |
| 186                   | 90                   | 21                   | 25                                                       | 2698                                            | 2901                                                      | 27                                                       | 2950                                                      | 2847                                                      | 1000                                                                  | 1007                                                                 | 12                                                        | 14                                                      |
| 187                   | 90                   | 43                   | 41                                                       | 2839                                            | 2951                                                      | 25                                                       | 2880                                                      | 2912                                                      | 1003                                                                  | 1009                                                                 | 6                                                         | 12                                                      |
| 188                   | 91                   | 4                    | 30                                                       | 2980                                            | 2891                                                      | 28                                                       | 2865                                                      | 2837                                                      | 1003                                                                  | 1011                                                                 | 2                                                         | 13                                                      |
| 189                   | 91                   | 25                   | 33                                                       | 2849                                            | 2906                                                      | 26                                                       | 2950                                                      | 2852                                                      | 1005                                                                  | 1011                                                                 | 2                                                         | 11                                                      |
| 190                   | 91                   | 46                   | 21                                                       | 2814                                            | 2891                                                      | 29                                                       | 2865                                                      | 2882                                                      | 1003                                                                  | 1009                                                                 | -8                                                        | 11                                                      |
| 191                   | 92                   | 7                    | 20                                                       | 2835                                            | 2921                                                      | 25                                                       | 2950                                                      | 2882                                                      | 994                                                                   | 997                                                                  | 8                                                         | 12                                                      |
| 192                   | 92                   | 28                   | 41                                                       | 2839                                            | 2916                                                      | 27                                                       | 2950                                                      | 2867                                                      | 990                                                                   | 997                                                                  | 8                                                         | 13                                                      |
| 193                   | 92                   | 49                   | 20                                                       | 2824                                            | 2871                                                      | 27                                                       | 2960                                                      | 2862                                                      | 1000                                                                  | 999                                                                  | 0                                                         | 11                                                      |
| 194                   | 93                   | 10                   | 17                                                       | 2814                                            | 2881                                                      | 21                                                       | 2900                                                      | 2882                                                      | 1017                                                                  | 1007                                                                 | 0                                                         | 12                                                      |
| 195                   | 93                   | 31                   | 19                                                       | 3026                                            | 2961                                                      | 28                                                       | 2900                                                      | 2892                                                      | 1000                                                                  | 1009                                                                 | 2                                                         | 12                                                      |
| 196                   | 93                   | 52                   | 40                                                       | 2844                                            | 2936                                                      | 32                                                       | 2940                                                      | 2912                                                      | 1003                                                                  | 1009                                                                 | 16                                                        | 13                                                      |
| 197                   | 94                   | 13                   | 41                                                       | 2844                                            | 2911                                                      | 25                                                       | 2935                                                      | 2902                                                      | 1003                                                                  | 1019                                                                 | 2                                                         | 14                                                      |
| 198                   | 94                   | 34                   | 32                                                       | 2784                                            | 2821                                                      | 40                                                       | 2980                                                      | 2897                                                      | 1000                                                                  | 1009                                                                 | 0                                                         | 15                                                      |
| 199                   | 94                   | 56                   | 24                                                       | 2930                                            | 2901                                                      | 41                                                       | 2970                                                      | 2872                                                      | 1009                                                                  | 999                                                                  | 0                                                         | 11                                                      |
| 200                   | 95                   | 17                   | 40                                                       | 2930                                            | 2871                                                      | 26                                                       | 3000                                                      | 2872                                                      | 1003                                                                  | 1003                                                                 | 0                                                         | 13                                                      |
| 201                   | 95                   | 39                   | 32                                                       | 2839                                            | 2916                                                      | 32                                                       | 2905                                                      | 2867                                                      | 1003                                                                  | 1007                                                                 | 0                                                         | 12                                                      |
| 202                   | 96                   | 0                    | 32                                                       | 2920                                            | 2861                                                      | 40                                                       | 2905                                                      | 2832                                                      | 1035                                                                  | 1003                                                                 | 0                                                         | 14                                                      |
| 203                   | 96                   | 21                   | 40                                                       | 2970                                            | 2871                                                      | 22                                                       | 2880                                                      | 2882                                                      | 992                                                                   | 995                                                                  | 0                                                         | 14                                                      |
| 204                   | 96                   | 43                   | 26                                                       | 2824                                            | 2881                                                      | 25                                                       | 2980                                                      | 2837                                                      | 1005                                                                  | 1009                                                                 | 0                                                         | 11                                                      |
| 205                   | 97                   | 4                    | 25                                                       | 2824                                            | 2921                                                      | 23                                                       | 2880                                                      | 2882                                                      | 1006                                                                  | 999                                                                  | -10                                                       | 12                                                      |
| 206                   | 97                   | 25                   | 25                                                       | 2774                                            | 2891                                                      | 26                                                       | 2825                                                      | 2817                                                      | 984                                                                   | 991                                                                  | +                                                         | 14                                                      |
| 207                   | 97                   | 47                   | 26                                                       | 2814                                            | 2901                                                      | 26                                                       | 2825                                                      | 2872                                                      | 1003                                                                  | 1009                                                                 | -8                                                        | 11                                                      |
| 208                   | 98                   | 8                    | 26                                                       | 2814                                            | 2866                                                      | 21                                                       | 2830                                                      | 2842                                                      | 982                                                                   | 987                                                                  | 0                                                         | 14                                                      |
| 209                   | 98                   | 29                   | 21                                                       | 2839                                            | 2916                                                      | 32                                                       | 2805                                                      | 2902                                                      | 988                                                                   | 1003                                                                 | 0                                                         | 12                                                      |
| 210                   | 98                   | 50                   | 21                                                       | 2864                                            | 2961                                                      | 13                                                       | 2945                                                      | 2847                                                      | 986                                                                   | 997                                                                  | 2                                                         | 13                                                      |
| 211                   | 99                   | 12                   | 25                                                       | 2829                                            | 2896                                                      | 21                                                       | 2860                                                      | 2832                                                      | 1000                                                                  | 987                                                                  | -10                                                       | 11                                                      |
| 212                   | 99                   | 33                   | 22                                                       | 2703                                            | 2926                                                      | 28                                                       | 2950                                                      | 2882                                                      | 976                                                                   | 995                                                                  | 0                                                         | 14                                                      |
| 213                   | 99                   | 54                   | 21                                                       | 2880                                            | 2906                                                      | 27                                                       | 2805                                                      | 2892                                                      | 1000                                                                  | 983                                                                  | +                                                         | 11                                                      |
| 214                   | 100                  | 16                   | 32                                                       | 2839                                            | 2856                                                      | 32                                                       | 2910                                                      | 2872                                                      | 990                                                                   | 1009                                                                 | 0                                                         | 12                                                      |
| 215                   | 100                  | 37                   | 24                                                       | 2824                                            | 2876                                                      | 21                                                       | 2850                                                      | 2803                                                      | 978                                                                   | 991                                                                  | +                                                         | 13                                                      |
| 216                   | 100                  | 58                   | 24                                                       | 2814                                            | 2846                                                      | 25                                                       | 2950                                                      | 2857                                                      | 986                                                                   | 987                                                                  | +                                                         | 11                                                      |
| 217                   | 101                  | 20                   | 22                                                       | 2744                                            | 2841                                                      | 17                                                       | 2860                                                      | 2852                                                      | 988                                                                   | 989                                                                  | +                                                         | 13                                                      |
| 218                   | 101                  | 41                   | 32                                                       | 2839                                            | 2906                                                      | 32                                                       | 2865                                                      | 2832                                                      | 982                                                                   | 989                                                                  | +                                                         | 14                                                      |
| 219                   | 102                  | 7                    | 24                                                       | 2920                                            | 2861                                                      | 13                                                       | 2825                                                      | 2808                                                      | 976                                                                   | 977                                                                  | +                                                         | 12                                                      |
| 220                   | 102                  | 24                   | 23                                                       | 2703                                            | 2876                                                      | 26                                                       | 2900                                                      | 2832                                                      | 970                                                                   | 995                                                                  | +                                                         | 13                                                      |
| 221                   | 102                  | 45                   | 29                                                       | 2703                                            | 2861                                                      | 32                                                       | 2855                                                      | 2832                                                      | 976                                                                   | 979                                                                  | +                                                         | 15                                                      |
| 222                   | 103                  | 7                    | 27                                                       | 2784                                            | 2871                                                      | 17                                                       | 2865                                                      | 2803                                                      | 988                                                                   | 975                                                                  | +                                                         | 13                                                      |
| 223                   | 103                  | 26                   | 29                                                       | 2784                                            | 2871                                                      | 25                                                       | 2725                                                      | 2813                                                      | 976                                                                   | 987                                                                  | +                                                         | 12                                                      |
| 224                   | 103                  | 50                   | 40                                                       | 2860                                            | 2866                                                      | 28                                                       | 2915                                                      | 2882                                                      | 996                                                                   | 1007                                                                 | 0                                                         | 11                                                      |
| 225                   | 104                  | 11                   | 32                                                       | 2890                                            | 2906                                                      | 25                                                       | 2940                                                      | 2837                                                      | 1000                                                                  | 991                                                                  | -4                                                        | 14                                                      |
| 226                   | 104                  | 32                   | 48                                                       | 2824                                            | 2921                                                      | 21                                                       | 2880                                                      | 2832                                                      | 980                                                                   | 1003                                                                 | -2                                                        | 15                                                      |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.1<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>PUMP<br>SERVO<br>CYL.1<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAND)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>ICOLL.<br>/YAW<br>CHAND<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAND)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|
| 227                   | 104                  | 53                   | 34                                                       | 2774                                                      | 2866                                                     | 27                                                       | 2925                                                      | 2847                                                     | 992                                                           | 979                                                         | *                                                         | 14                                                      |
| 228                   | 105                  | 15                   | 25                                                       | 2824                                                      | 2876                                                     | 21                                                       | 2870                                                      | 2857                                                     | 980                                                           | 991                                                         | -4                                                        | 11                                                      |
| 229                   | 105                  | 36                   | 23                                                       | 2930                                                      | 2891                                                     | 32                                                       | 2870                                                      | 2877                                                     | 996                                                           | 989                                                         | 4                                                         | 12                                                      |
| 230                   | 105                  | 57                   | *                                                        | 2925                                                      | 2931                                                     | 21                                                       | 2870                                                      | 2847                                                     | 1000                                                          | 993                                                         | 0                                                         | 11                                                      |
| 231                   | 106                  | 19                   | 21                                                       | 2844                                                      | 2901                                                     | 21                                                       | 2860                                                      | 2872                                                     | 974                                                           | 987                                                         | 0                                                         | 13                                                      |
| 232                   | 106                  | 40                   | 20                                                       | 2814                                                      | 2921                                                     | 30                                                       | 2860                                                      | 2852                                                     | 1005                                                          | 977                                                         | 2                                                         | 12                                                      |
| 233                   | 107                  | 1                    | 40                                                       | 2703                                                      | 2891                                                     | 19                                                       | 2830                                                      | 2832                                                     | 982                                                           | 1067                                                        | -8                                                        | 14                                                      |
| 234                   | 107                  | 23                   | 24                                                       | 2814                                                      | 2911                                                     | 23                                                       | 2850                                                      | 2837                                                     | 1000                                                          | 977                                                         | *                                                         | 13                                                      |
| 235                   | 107                  | 44                   | 21                                                       | 2839                                                      | 2921                                                     | 23                                                       | 2865                                                      | 2872                                                     | 986                                                           | 991                                                         | *                                                         | 18                                                      |
| 236                   | 108                  | 5                    | 24                                                       | 2824                                                      | 2941                                                     | 24                                                       | 2825                                                      | 2847                                                     | 974                                                           | 985                                                         | 0                                                         | 14                                                      |
| 237                   | 108                  | 27                   | 29                                                       | 2920                                                      | 2921                                                     | 32                                                       | 2865                                                      | 2837                                                     | 990                                                           | 1003                                                        | -8                                                        | 13                                                      |
| 238                   | 108                  | 46                   | 34                                                       | 2814                                                      | 2911                                                     | 26                                                       | 2895                                                      | 2832                                                     | 1000                                                          | 989                                                         | *                                                         | 12                                                      |
| 239                   | 109                  | 10                   | 24                                                       | 2824                                                      | 2911                                                     | 24                                                       | 2915                                                      | 2847                                                     | 980                                                           | 991                                                         | *                                                         | 12                                                      |
| 240                   | 109                  | 31                   | 21                                                       | 2839                                                      | 2876                                                     | 32                                                       | 2880                                                      | 2842                                                     | 982                                                           | 1003                                                        | 0                                                         | 15                                                      |
| 241                   | 109                  | 52                   | 26                                                       | 2820                                                      | 2921                                                     | 32                                                       | 2865                                                      | 2872                                                     | 1000                                                          | 993                                                         | 0                                                         | 12                                                      |
| 242                   | 110                  | 14                   | 32                                                       | 2844                                                      | 2866                                                     | 25                                                       | 2805                                                      | 2872                                                     | 1000                                                          | 987                                                         | 4                                                         | 14                                                      |
| 243                   | 110                  | 35                   | 24                                                       | 2824                                                      | 2911                                                     | 32                                                       | 2905                                                      | 2837                                                     | 988                                                           | 979                                                         | *                                                         | 13                                                      |
| 244                   | 111                  | 56                   | 26                                                       | 2814                                                      | 2921                                                     | 25                                                       | 2805                                                      | 2832                                                     | 984                                                           | 993                                                         | *                                                         | 12                                                      |
| 245                   | 111                  | 18                   | 18                                                       | 2784                                                      | 2866                                                     | 21                                                       | 2870                                                      | 2837                                                     | 976                                                           | 977                                                         | *                                                         | 13                                                      |
| 246                   | 111                  | 39                   | 29                                                       | 2839                                                      | 2911                                                     | 40                                                       | 3050                                                      | 2892                                                     | 998                                                           | 983                                                         | 0                                                         | 14                                                      |
| 247                   | 112                  | 0                    | 21                                                       | 2839                                                      | 2886                                                     | 21                                                       | 2860                                                      | 2847                                                     | 980                                                           | 989                                                         | 0                                                         | 11                                                      |
| 248                   | 112                  | 22                   | 21                                                       | 2830                                                      | 2871                                                     | 32                                                       | 2920                                                      | 2822                                                     | 974                                                           | 983                                                         | *                                                         | 11                                                      |
| 249                   | 112                  | 43                   | 24                                                       | 2824                                                      | 2921                                                     | 25                                                       | 2805                                                      | 2813                                                     | 982                                                           | 979                                                         | *                                                         | 15                                                      |
| 250                   | 113                  | 4                    | 30                                                       | 2744                                                      | 2931                                                     | 25                                                       | 2880                                                      | 2832                                                     | 1005                                                          | 967                                                         | 0                                                         | 12                                                      |
| 251                   | 113                  | 26                   | 27                                                       | 2930                                                      | 2921                                                     | 40                                                       | 2870                                                      | 2847                                                     | 1007                                                          | 1007                                                        | 2                                                         | 15                                                      |
| 252                   | 113                  | 47                   | 20                                                       | 2844                                                      | 2926                                                     | 41                                                       | 2965                                                      | 2922                                                     | 1013                                                          | 1007                                                        | 16                                                        | 15                                                      |
| 253                   | 114                  | 8                    | 21                                                       | 2824                                                      | 2946                                                     | 25                                                       | 2880                                                      | 2902                                                     | 1003                                                          | 1003                                                        | 8                                                         | 15                                                      |
| 254                   | 114                  | 29                   | 24                                                       | 2870                                                      | 2926                                                     | 40                                                       | 2880                                                      | 2882                                                     | 1009                                                          | 1007                                                        | 12                                                        | 14                                                      |
| 255                   | 114                  | 50                   | 32                                                       | 2824                                                      | 2941                                                     | 13                                                       | 3000                                                      | 2922                                                     | 1005                                                          | 997                                                         | 6                                                         | 14                                                      |
| 256                   | 115                  | 11                   | 26                                                       | 2860                                                      | 2926                                                     | 14                                                       | 2940                                                      | 2907                                                     | 1009                                                          | 1001                                                        | 4                                                         | 12                                                      |
| 257                   | 115                  | 32                   | 24                                                       | 2900                                                      | 2926                                                     | 25                                                       | 2880                                                      | 2922                                                     | 996                                                           | 997                                                         | 4                                                         | 13                                                      |
| 258                   | 115                  | 52                   | 26                                                       | 2980                                                      | 3012                                                     | 17                                                       | 2995                                                      | 2902                                                     | 1000                                                          | 1001                                                        | 6                                                         | 14                                                      |
| 259                   | 116                  | 14                   | 27                                                       | 2980                                                      | 2931                                                     | 32                                                       | 2805                                                      | 2877                                                     | 1000                                                          | 1009                                                        | 0                                                         | 11                                                      |
| 260                   | 116                  | 36                   | 29                                                       | 2844                                                      | 2926                                                     | 21                                                       | 2840                                                      | 2882                                                     | 1017                                                          | 1013                                                        | 6                                                         | 15                                                      |
| 261                   | 116                  | 57                   | 20                                                       | 2890                                                      | 2955                                                     | 20                                                       | 2865                                                      | 2867                                                     | 1007                                                          | 1009                                                        | 6                                                         | 12                                                      |
| 262                   | 117                  | 17                   | 20                                                       | 2824                                                      | 2971                                                     | 24                                                       | 2950                                                      | 2902                                                     | 1015                                                          | 1003                                                        | 4                                                         | 12                                                      |
| 263                   | 117                  | 39                   | 21                                                       | 2864                                                      | 2911                                                     | 13                                                       | 2950                                                      | 2887                                                     | 1000                                                          | 1017                                                        | 2                                                         | 11                                                      |
| 264                   | 118                  | 0                    | 19                                                       | 2864                                                      | 2971                                                     | 30                                                       | 2905                                                      | 2877                                                     | 1005                                                          | 997                                                         | 0                                                         | 12                                                      |
| 265                   | 118                  | 21                   | 32                                                       | 2925                                                      | 2991                                                     | 23                                                       | 2865                                                      | 2847                                                     | 1003                                                          | 1015                                                        | 0                                                         | 11                                                      |
| 266                   | 118                  | 42                   | 19                                                       | 2839                                                      | 2861                                                     | 28                                                       | 2850                                                      | 2902                                                     | 1017                                                          | 1069                                                        | -10                                                       | 12                                                      |
| 267                   | 119                  | 1                    | 21                                                       | 2824                                                      | 2921                                                     | 32                                                       | 2905                                                      | 2867                                                     | 1007                                                          | 1011                                                        | 0                                                         | 15                                                      |
| 268                   | 119                  | 24                   | 26                                                       | 2864                                                      | 2926                                                     | 21                                                       | 3000                                                      | 2887                                                     | 1000                                                          | 1011                                                        | 0                                                         | 15                                                      |
| 269                   | 119                  | 45                   | 21                                                       | 2834                                                      | 2961                                                     | 14                                                       | 2870                                                      | 2882                                                     | 1005                                                          | 1003                                                        | 0                                                         | 14                                                      |
| 270                   | 120                  | 5                    | 34                                                       | 2930                                                      | 2931                                                     | 40                                                       | 3020                                                      | 2862                                                     | 996                                                           | 1005                                                        | 20                                                        | 14                                                      |
| 271                   | 120                  | 27                   | 29                                                       | 2844                                                      | 2976                                                     | 23                                                       | 2920                                                      | 2912                                                     | 1007                                                          | 1017                                                        | 0                                                         | 13                                                      |
| 272                   | 120                  | 48                   | 40                                                       | 2849                                                      | 2956                                                     | 26                                                       | 2870                                                      | 2847                                                     | 1011                                                          | 1023                                                        | 0                                                         | 13                                                      |
| 273                   | 121                  | 0                    | 19                                                       | 3020                                                      | 2981                                                     | 21                                                       | 2940                                                      | 2902                                                     | 1007                                                          | 1023                                                        | 12                                                        | 13                                                      |
| 274                   | 121                  | 30                   | 32                                                       | 3020                                                      | 2941                                                     | 20                                                       | 3000                                                      | 2867                                                     | 1009                                                          | 1015                                                        | 4                                                         | 13                                                      |
| 275                   | 121                  | 51                   | 21                                                       | 3020                                                      | 3022                                                     | 25                                                       | 2960                                                      | 2922                                                     | 1009                                                          | 1011                                                        | 2                                                         | 12                                                      |
| 276                   | 122                  | 12                   | 21                                                       | 2834                                                      | 2981                                                     | 40                                                       | 2920                                                      | 2847                                                     | 1021                                                          | 1015                                                        | 4                                                         | 15                                                      |

| -01<br>SWEET<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|-------------------------------------------------|
| 277                   | 122                  | 33                   | 21                                                       | 2034                                                      | 2966                                             | 21                                                       | 2950                                                      | 2897                                             | 1013                                                | 1013                                                | 10                                               | 14                                              |
| 278                   | 122                  | 54                   | 29                                                       | 2839                                                      | 2911                                             | 17                                                       | 2805                                                      | 2832                                             | 988                                                 | 999                                                 | +                                                | 13                                              |
| 279                   | 123                  | 15                   | 26                                                       | 2970                                                      | 2971                                             | 30                                                       | 3000                                                      | 2912                                             | 1017                                                | 1009                                                | 8                                                | 15                                              |
| 280                   | 123                  | 37                   | 40                                                       | 2880                                                      | 3001                                             | 21                                                       | 3000                                                      | 2967                                             | 1021                                                | 1029                                                | 6                                                | 15                                              |
| 281                   | 123                  | 58                   | 32                                                       | 2890                                                      | 2956                                             | 32                                                       | 2830                                                      | 2887                                             | 1015                                                | 1009                                                | 2                                                | 14                                              |
| 282                   | 124                  | 19                   | 32                                                       | 2965                                                      | 3012                                             | 23                                                       | 2800                                                      | 3101                                             | 1025                                                | 1023                                                | 20                                               | 12                                              |
| 283                   | 124                  | 40                   | 24                                                       | 2980                                                      | 2956                                             | 20                                                       | 3020                                                      | 2927                                             | 1007                                                | 1023                                                | 16                                               | 14                                              |
| 284                   | 125                  | 1                    | 40                                                       | 2880                                                      | 2966                                             | 25                                                       | 2910                                                      | 2937                                             | 1005                                                | 1017                                                | 16                                               | 12                                              |
| 285                   | 125                  | 22                   | 41                                                       | 2839                                                      | 2966                                             | 32                                                       | 2915                                                      | 2937                                             | 1009                                                | 1011                                                | 16                                               | 15                                              |
| 286                   | 125                  | 43                   | 21                                                       | 2915                                                      | 2971                                             | 26                                                       | 2950                                                      | 2922                                             | 1011                                                | 1013                                                | 6                                                | 12                                              |
| 287                   | 126                  | 4                    | 27                                                       | 2930                                                      | 2946                                             | 27                                                       | 2950                                                      | 2897                                             | 1017                                                | 1013                                                | 10                                               | 13                                              |
| 288                   | 126                  | 25                   | 17                                                       | 3020                                                      | 2966                                             | 21                                                       | 3000                                                      | 2822                                             | 1007                                                | 1023                                                | 20                                               | 11                                              |
| 289                   | 126                  | 46                   | 21                                                       | 2824                                                      | 2961                                             | 24                                                       | 3010                                                      | 2932                                             | 1009                                                | 1021                                                | 20                                               | 13                                              |
| 290                   | 127                  | 7                    | 21                                                       | 3020                                                      | 2966                                             | 28                                                       | 3000                                                      | 2961                                             | 1021                                                | 1021                                                | 12                                               | 15                                              |
| 291                   | 127                  | 24                   | 24                                                       | 2930                                                      | 3017                                             | 27                                                       | 3000                                                      | 2902                                             | 1025                                                | 1015                                                | 6                                                | 19                                              |
| 292                   | 127                  | 50                   | 40                                                       | 2880                                                      | 3012                                             | 40                                                       | 2900                                                      | 2927                                             | 1013                                                | 1021                                                | 18                                               | 14                                              |
| 293                   | 128                  | 10                   | 48                                                       | 2980                                                      | 2926                                             | 30                                                       | 3000                                                      | 2907                                             | 962                                                 | 1009                                                | 4                                                | 12                                              |
| 294                   | 128                  | 30                   | +                                                        | +                                                         | 2911                                             | +                                                        | 2870                                                      | 2907                                             | 960                                                 | 969                                                 | +                                                | 14                                              |
| 295                   | 128                  | 51                   | +                                                        | +                                                         | 2914                                             | 27                                                       | 2850                                                      | 2759                                             | 1017                                                | 1025                                                | 4                                                | 10                                              |
| 296                   | 129                  | 12                   | 24                                                       | 2900                                                      | 3006                                             | 27                                                       | 2950                                                      | 2817                                             | 1007                                                | 1031                                                | 2                                                | 15                                              |
| 297                   | 129                  | 33                   | 26                                                       | 2970                                                      | 3012                                             | 19                                                       | 3020                                                      | 2887                                             | 1021                                                | 1027                                                | 22                                               | 13                                              |
| 298                   | 129                  | 54                   | 24                                                       | 2980                                                      | 2956                                             | 32                                                       | 2950                                                      | 2932                                             | 1021                                                | 1021                                                | 14                                               | 15                                              |
| 299                   | 130                  | 16                   | 21                                                       | 2889                                                      | 2971                                             | 30                                                       | 2915                                                      | 2912                                             | 1025                                                | 1015                                                | 16                                               | 13                                              |
| 300                   | 130                  | 37                   | 21                                                       | 2885                                                      | 2961                                             | 21                                                       | 2959                                                      | 2867                                             | 1015                                                | 1027                                                | 12                                               | 11                                              |
| 301                   | 130                  | 54                   | 16                                                       | 2970                                                      | 2941                                             | 22                                                       | 3000                                                      | 2922                                             | 1023                                                | 1027                                                | 12                                               | 14                                              |
| 302                   | 131                  | 19                   | 21                                                       | 2824                                                      | 2971                                             | 19                                                       | 3050                                                      | 2937                                             | 1021                                                | 1027                                                | 16                                               | 13                                              |
| 303                   | 131                  | 40                   | 32                                                       | 2844                                                      | 2981                                             | 25                                                       | 2970                                                      | 2932                                             | 1023                                                | 1019                                                | 16                                               | 15                                              |
| 304                   | 132                  | 1                    | 24                                                       | 2890                                                      | 2946                                             | 23                                                       | 2950                                                      | 2912                                             | 1019                                                | 1009                                                | 20                                               | 14                                              |
| 305                   | 132                  | 22                   | 29                                                       | 2805                                                      | 2961                                             | 25                                                       | 2955                                                      | 2922                                             | 1021                                                | 1011                                                | 8                                                | 15                                              |
| 306                   | 132                  | 43                   | 26                                                       | 2814                                                      | 2966                                             | 30                                                       | 2865                                                      | 2897                                             | 990                                                 | 997                                                 | 2                                                | 12                                              |
| 307                   | 133                  | 5                    | 30                                                       | 2864                                                      | 2951                                             | 21                                                       | 2865                                                      | 2817                                             | 994                                                 | 1005                                                | -8                                               | 12                                              |
| 308                   | 133                  | 26                   | 32                                                       | 2824                                                      | 2931                                             | 41                                                       | 2865                                                      | 2902                                             | 990                                                 | 1007                                                | 10                                               | 14                                              |
| 309                   | 133                  | 47                   | 21                                                       | 2885                                                      | 2971                                             | 23                                                       | 2870                                                      | 2822                                             | 1007                                                | 1007                                                | 16                                               | 14                                              |
| 310                   | 134                  | 8                    | 41                                                       | 2864                                                      | 2881                                             | 26                                                       | 3050                                                      | 2897                                             | 1011                                                | 1013                                                | 16                                               | 13                                              |
| 311                   | 134                  | 29                   | 21                                                       | 2885                                                      | 2961                                             | 32                                                       | 2800                                                      | 2932                                             | 1003                                                | 1015                                                | 16                                               | 15                                              |
| 312                   | 134                  | 51                   | 21                                                       | 2885                                                      | 2971                                             | 34                                                       | 2915                                                      | 2922                                             | 1003                                                | 1009                                                | 20                                               | 14                                              |
| 313                   | 135                  | 12                   | 20                                                       | 2885                                                      | 2971                                             | 29                                                       | 2865                                                      | 2902                                             | 1009                                                | 1027                                                | 2                                                | 15                                              |
| 314                   | 135                  | 33                   | 20                                                       | 2880                                                      | 2971                                             | 25                                                       | 2950                                                      | 2977                                             | 1003                                                | 1019                                                | 14                                               | 14                                              |
| 315                   | 135                  | 54                   | 25                                                       | 2980                                                      | 2921                                             | 40                                                       | 2860                                                      | 2977                                             | 1021                                                | 1007                                                | 12                                               | 13                                              |
| 316                   | 136                  | 15                   | 21                                                       | 3020                                                      | 2971                                             | 32                                                       | 2860                                                      | 2897                                             | 1015                                                | 1023                                                | 20                                               | 12                                              |
| 317                   | 136                  | 37                   | 24                                                       | 2900                                                      | 2956                                             | 21                                                       | 2915                                                      | 2902                                             | 1000                                                | 1007                                                | 6                                                | 12                                              |
| 318                   | 136                  | 58                   | 25                                                       | 2980                                                      | 2966                                             | 21                                                       | 2915                                                      | 2902                                             | 1003                                                | 1009                                                | 14                                               | 18                                              |
| 319                   | 137                  | 19                   | 21                                                       | 3020                                                      | 2971                                             | 32                                                       | 2885                                                      | 2907                                             | 1021                                                | 1011                                                | 16                                               | 12                                              |
| 320                   | 137                  | 40                   | 20                                                       | 2880                                                      | 2926                                             | 21                                                       | 2950                                                      | 2892                                             | 1000                                                | 1007                                                | 6                                                | 14                                              |
| 321                   | 138                  | 1                    | 21                                                       | 2885                                                      | 2926                                             | 40                                                       | 2850                                                      | 2872                                             | 1003                                                | 1011                                                | 16                                               | 13                                              |
| 322                   | 138                  | 23                   | 20                                                       | 2784                                                      | 2911                                             | 32                                                       | 2850                                                      | 2862                                             | 986                                                 | 999                                                 | -10                                              | 12                                              |
| 323                   | 138                  | 45                   | 20                                                       | 1299                                                      | 1275                                             | 27                                                       | 2905                                                      | 2892                                             | 996                                                 | 999                                                 | 4                                                | 12                                              |
| 324                   | 139                  | 6                    | 0                                                        | 0                                                         | 33                                               | 22                                                       | 2900                                                      | 2922                                             | 1007                                                | 1009                                                | 8                                                | 12                                              |
| 325                   | 139                  | 27                   | -0                                                       | 0                                                         | 33                                               | 40                                                       | 2925                                                      | 2867                                             | 42                                                  | 22                                                  | 10                                               | 13                                              |
| 326                   | 139                  | 48                   | +                                                        | 0                                                         | 35                                               | 27                                                       | 2900                                                      | 2907                                             | 42                                                  | 20                                                  | 18                                               | 16                                              |

|                        |                      |                      |                                                          |                                                           |                                                          |                                                          |                                                           |                                                          |                                                              |                                                             |                                                          |                                                         |
|------------------------|----------------------|----------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|
| 2-01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-05<br>1STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-06<br>1STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-07<br>1STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PSIG | 2-08<br>2STAGE<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG | 2-09<br>2STAGE<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-10<br>2STAGE<br>HYD.<br>(AFT<br>SERVO<br>CYL.)<br>PSIG | 2-11<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>PSIG | 2-12<br>2STAGE<br>AFCS 1<br>(COLL.<br>/YAW<br>CHAN)<br>PSIG | 2-13<br>UTIL.<br>HYD.<br>AFCS 2<br>(P/R<br>CHAN)<br>PSIG | 2-14<br>UTIL.<br>HYD.<br>PUMP<br>INLET<br>PRESS<br>PSIG |
| 327                    | 140                  | 9                    | 4                                                        | 0                                                         | 50                                                       | 22                                                       | 3000                                                      | 2927                                                     | 29                                                           | 28                                                          | 2                                                        | 15                                                      |
| 328                    | 140                  | 30                   | -0                                                       | 0                                                         | 15                                                       | 21                                                       | 3000                                                      | 2907                                                     | 20                                                           | 24                                                          | 14                                                       | 13                                                      |

HM-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 32                    | 32                   | 11                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 33                    | 32                   | 33                   | 0                                                        | *                                                           | *                                                          | *                                                        |
| 34                    | 32                   | 54                   | 0                                                        | *                                                           | *                                                          | 0                                                        |
| 35                    | *                    | *                    | 75                                                       | *                                                           | 4                                                          | 0                                                        |
| 36                    | 35                   | 12                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 37                    | *                    | *                    | *                                                        | *                                                           | *                                                          | *                                                        |
| 38                    | 37                   | 56                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 39                    | 38                   | 17                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 40                    | 38                   | 39                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 41                    | 39                   | 0                    | *                                                        | *                                                           | *                                                          | *                                                        |
| 42                    | 39                   | 22                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 43                    | 39                   | 43                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 44                    | 40                   | 5                    | *                                                        | *                                                           | *                                                          | *                                                        |
| 45                    | 40                   | 26                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 46                    | 40                   | 48                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 47                    | 41                   | 9                    | *                                                        | *                                                           | *                                                          | *                                                        |
| 48                    | 41                   | 31                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 49                    | 41                   | 52                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 50                    | 42                   | 14                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 51                    | 42                   | 35                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 52                    | 42                   | 56                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 53                    | 43                   | 16                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 54                    | 43                   | 39                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 55                    | 44                   | 1                    | *                                                        | *                                                           | *                                                          | *                                                        |
| 56                    | 44                   | 22                   | *                                                        | *                                                           | 1272                                                       | *                                                        |
| 57                    | 44                   | 44                   | 2636                                                     | *                                                           | 1272                                                       | *                                                        |
| 58                    | 45                   | 5                    | 2747                                                     | *                                                           | 1266                                                       | *                                                        |
| 59                    | 45                   | 27                   | 2701                                                     | *                                                           | 1272                                                       | *                                                        |
| 60                    | 45                   | 48                   | 2661                                                     | *                                                           | 1272                                                       | *                                                        |
| 61                    | 46                   | 10                   | 2903                                                     | *                                                           | 1395                                                       | 7                                                        |
| 62                    | 46                   | 31                   | 2838                                                     | 0                                                           | 1402                                                       | 8                                                        |
| 63                    | 46                   | 52                   | 3024                                                     | 12                                                          | 1416                                                       | 12                                                       |
| 64                    | 47                   | 13                   | *                                                        | 8                                                           | 1424                                                       | 9                                                        |
| 65                    | 47                   | 34                   | 3070                                                     | 20                                                          | 1412                                                       | 9                                                        |
| 66                    | 47                   | 55                   | 3045                                                     | 16                                                          | 1424                                                       | 12                                                       |
| 67                    | 48                   | 16                   | 2964                                                     | 2                                                           | *                                                          | *                                                        |
| 68                    | 48                   | 37                   | 3080                                                     | 20                                                          | 1422                                                       | 13                                                       |
| 69                    | 48                   | 59                   | 2984                                                     | 12                                                          | 1424                                                       | 12                                                       |
| 70                    | 49                   | 20                   | 2994                                                     | 8                                                           | 1424                                                       | 4                                                        |
| 71                    | 49                   | 41                   | 3050                                                     | 20                                                          | 1406                                                       | 13                                                       |
| 72                    | 50                   | 2                    | 3035                                                     | 12                                                          | 1424                                                       | 12                                                       |
| 73                    | 50                   | 23                   | 3035                                                     | 20                                                          | 1412                                                       | 12                                                       |
| 74                    | 50                   | 44                   | 3040                                                     | 12                                                          | 1420                                                       | 12                                                       |
| 75                    | 51                   | 5                    | 3070                                                     | 8                                                           | 1420                                                       | 12                                                       |
| 76                    | 51                   | 26                   | 3040                                                     | 16                                                          | 1414                                                       | 12                                                       |

| -01<br>SWEET<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 77                    | 51                   | 47                   | 3040                                                     | 6                                                           | 1422                                                       | 12                                                       |
| 78                    | 52                   | 8                    | 3060                                                     | 6                                                           | 1422                                                       | 12                                                       |
| 79                    | 52                   | 29                   | 3055                                                     | 12                                                          | 1416                                                       | 12                                                       |
| 80                    | 52                   | 51                   | 3045                                                     | 8                                                           | 1424                                                       | 13                                                       |
| 81                    | 53                   | 12                   | 3076                                                     | 16                                                          | 1424                                                       | 12                                                       |
| 82                    | 53                   | 33                   | 2979                                                     | 0                                                           | 1414                                                       | 17                                                       |
| 83                    | 53                   | 54                   | 2989                                                     | 862                                                         | 1416                                                       | 17                                                       |
| 84                    | 54                   | 15                   | 3030                                                     | 1481                                                        | 1412                                                       | 14                                                       |
| 85                    | 54                   | 57                   | 3020                                                     | 1481                                                        | 1418                                                       | 22                                                       |
| 86                    | 54                   | 57                   | 3021                                                     | 1489                                                        | 1420                                                       | 12                                                       |
| 87                    | 55                   | 00                   | 3000                                                     | 1491                                                        | 1412                                                       | 10                                                       |
| 88                    | 55                   | 40                   | 3080                                                     | 1485                                                        | *                                                          | *                                                        |
| 89                    | 55                   | 1                    | 3035                                                     | 48                                                          | 1416                                                       | 10                                                       |
| 90                    | 56                   | 22                   | 3080                                                     | 1481                                                        | 54                                                         | 10                                                       |
| 91                    | 56                   | 43                   | *                                                        | *                                                           | 1418                                                       | 12                                                       |
| 92                    | 57                   | 4                    | 3035                                                     | 1487                                                        | 1420                                                       | 12                                                       |
| 93                    | 57                   | 25                   | 3030                                                     | 1467                                                        | 1414                                                       | 11                                                       |
| 94                    | 57                   | 46                   | 2954                                                     | 1477                                                        | 1410                                                       | 13                                                       |
| 95                    | 58                   | 7                    | 2959                                                     | 1473                                                        | 1414                                                       | 16                                                       |
| 96                    | 58                   | 28                   | 3019                                                     | 1475                                                        | 1410                                                       | 9                                                        |
| 97                    | 58                   | 49                   | 2929                                                     | 1428                                                        | 1364                                                       | 3                                                        |
| 98                    | 59                   | 9                    | 2891                                                     | 1426                                                        | 1360                                                       | 3                                                        |
| 99                    | 59                   | 30                   | 3030                                                     | 1469                                                        | 1394                                                       | 12                                                       |
| 100                   | 59                   | 51                   | 2934                                                     | 1473                                                        | 1420                                                       | 12                                                       |
| 101                   | 60                   | 12                   | 3070                                                     | 1481                                                        | 1424                                                       | 11                                                       |
| 102                   | 60                   | 33                   | 3060                                                     | 1479                                                        | 1424                                                       | 9                                                        |
| 103                   | 60                   | *                    | 3030                                                     | 1473                                                        | 1414                                                       | 14                                                       |
| 104                   | 61                   | 16                   | 2183                                                     | 1469                                                        | 1410                                                       | 9                                                        |
| 105                   | 61                   | 37                   | 2984                                                     | 1485                                                        | 1404                                                       | 10                                                       |
| 106                   | 61                   | 58                   | 2959                                                     | 1485                                                        | 1412                                                       | 12                                                       |
| 107                   | 62                   | 19                   | 3040                                                     | 1485                                                        | 1420                                                       | 10                                                       |
| 108                   | 62                   | 11                   | 3040                                                     | 1475                                                        | 1422                                                       | 11                                                       |
| 109                   | 62                   | 22                   | 2969                                                     | 1477                                                        | 1416                                                       | 12                                                       |
| 110                   | 62                   | 23                   | *                                                        | *                                                           | 1416                                                       | 12                                                       |
| 111                   | 62                   | 44                   | 3019                                                     | 1475                                                        | 1418                                                       | 12                                                       |
| 112                   | 64                   | 27                   | 2984                                                     | 1471                                                        | 1422                                                       | 9                                                        |
| 113                   | 64                   | 27                   | 2954                                                     | 1473                                                        | 1414                                                       | 11                                                       |
| 114                   | 64                   | 44                   | 3060                                                     | 1475                                                        | 1394                                                       | 7                                                        |
| 115                   | 65                   | 9                    | 3009                                                     | 1475                                                        | 1424                                                       | 12                                                       |
| 116                   | 65                   | 29                   | 3010                                                     | 1475                                                        | 1414                                                       | 12                                                       |
| 117                   | 65                   | 52                   | 3051                                                     | 1475                                                        | *                                                          | *                                                        |
| 118                   | 65                   | 12                   | 2979                                                     | 1485                                                        | 1420                                                       | 12                                                       |
| 119                   | 66                   | 34                   | 2949                                                     | 1469                                                        | 1408                                                       | 13                                                       |
| 120                   | 66                   | 58                   | 2974                                                     | 1473                                                        | 1408                                                       | 6                                                        |
| 121                   | 67                   | 17                   | 2995                                                     | 1461                                                        | 1408                                                       | 12                                                       |
| 122                   | 67                   | 34                   | 2979                                                     | 1477                                                        | 1408                                                       | 6                                                        |
| 123                   | 68                   | 5                    | 2964                                                     | 1475                                                        | 1400                                                       | 11                                                       |
| 124                   | 68                   | 21                   | *                                                        | *                                                           | 1400                                                       | 11                                                       |
| 125                   | 68                   | 42                   | 3019                                                     | 1451                                                        | 1402                                                       | 9                                                        |
| 126                   | 69                   | 2                    | 3030                                                     | 1477                                                        | 1405                                                       | 9                                                        |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 127                   | 69                   | 25                   | 2984                                                     | 1452                                                        | 1400                                                       | 9                                                        |
| 128                   | 69                   | 46                   | 3040                                                     | 1434                                                        | 1416                                                       | 3                                                        |
| 129                   | 70                   | 7                    | 2949                                                     | 1454                                                        | 1413                                                       | 12                                                       |
| 130                   | 70                   | 28                   | 2969                                                     | 1456                                                        | 1408                                                       | 0                                                        |
| 131                   | 70                   | 50                   | 2954                                                     | 1465                                                        | 1420                                                       | 7                                                        |
| 132                   | 71                   | 11                   | 3080                                                     | 1459                                                        | 1414                                                       | 9                                                        |
| 133                   | 71                   | 32                   | 3030                                                     | 1473                                                        | 1420                                                       | 6                                                        |
| 134                   | 71                   | 53                   | 2964                                                     | 1448                                                        | 1406                                                       | 6                                                        |
| 135                   | 72                   | 15                   | 3030                                                     | 1438                                                        | *                                                          | *                                                        |
| 136                   | 72                   | 36                   | 3035                                                     | 1467                                                        | 1406                                                       | 11                                                       |
| 137                   | 72                   | 57                   | 2984                                                     | 1473                                                        | 1400                                                       | 12                                                       |
| 138                   | 73                   | 18                   | 3004                                                     | 1465                                                        | 1408                                                       | 7                                                        |
| 139                   | 73                   | 40                   | 2944                                                     | 1450                                                        | 1402                                                       | 6                                                        |
| 140                   | 74                   | 1                    | 2999                                                     | 1469                                                        | 1416                                                       | 12                                                       |
| 141                   | 74                   | 22                   | 2984                                                     | 1452                                                        | 1424                                                       | 3                                                        |
| 142                   | *                    | *                    | 2979                                                     | 1456                                                        | 1406                                                       | 6                                                        |
| 143                   | 75                   | 4                    | 2989                                                     | 1477                                                        | 1418                                                       | 7                                                        |
| 144                   | 75                   | 26                   | 3030                                                     | 1459                                                        | 1418                                                       | 11                                                       |
| 145                   | 75                   | 47                   | 2989                                                     | 1461                                                        | 1406                                                       | 6                                                        |
| 146                   | 76                   | 8                    | 3014                                                     | 1473                                                        | 1402                                                       | 12                                                       |
| 147                   | 76                   | 29                   | 3040                                                     | 1461                                                        | 1404                                                       | 6                                                        |
| 148                   | 76                   | 51                   | 2929                                                     | 1454                                                        | 1408                                                       | 9                                                        |
| 149                   | 77                   | 12                   | 3030                                                     | 1463                                                        | 1400                                                       | 10                                                       |
| 150                   | 77                   | 33                   | 2944                                                     | 1461                                                        | 1400                                                       | 9                                                        |
| 151                   | 77                   | 54                   | 2944                                                     | 1459                                                        | 1404                                                       | 8                                                        |
| 152                   | 78                   | 16                   | 3030                                                     | 1461                                                        | 1416                                                       | 9                                                        |
| 153                   | 78                   | 37                   | 2974                                                     | 1452                                                        | 1374                                                       | 9                                                        |
| 154                   | 78                   | 58                   | *                                                        | *                                                           | *                                                          | *                                                        |
| 155                   | 79                   | 20                   | 2979                                                     | 1473                                                        | 1400                                                       | 9                                                        |
| 156                   | 79                   | 41                   | 3035                                                     | 1471                                                        | 1424                                                       | 0                                                        |
| 157                   | 80                   | 2                    | 2944                                                     | 1467                                                        | 1412                                                       | 5                                                        |
| 158                   | 80                   | 23                   | 2949                                                     | 1434                                                        | *                                                          | 7                                                        |
| 159                   | 80                   | 44                   | 2979                                                     | 1461                                                        | 1400                                                       | 7                                                        |
| 160                   | 81                   | 6                    | 2979                                                     | 1442                                                        | 1404                                                       | 7                                                        |
| 161                   | 81                   | 27                   | 2954                                                     | 1446                                                        | 1400                                                       | 0                                                        |
| 162                   | 81                   | 49                   | 2893                                                     | 1461                                                        | 1392                                                       | 1                                                        |
| 163                   | 82                   | 10                   | 3019                                                     | 1461                                                        | 1402                                                       | 9                                                        |
| 164                   | 82                   | 31                   | 2949                                                     | 1456                                                        | 1398                                                       | 6                                                        |
| 165                   | 82                   | 53                   | 2979                                                     | 1473                                                        | 1416                                                       | 13                                                       |
| 166                   | 83                   | 14                   | 2994                                                     | 1450                                                        | 1416                                                       | 9                                                        |
| 167                   | 83                   | 35                   | 2999                                                     | 1461                                                        | 1400                                                       | 3                                                        |
| 168                   | 83                   | 57                   | 2934                                                     | 1463                                                        | 1400                                                       | 0                                                        |
| 169                   | 84                   | 18                   | 2984                                                     | 1452                                                        | 1392                                                       | 6                                                        |
| 170                   | 84                   | 39                   | 2954                                                     | 1456                                                        | 1400                                                       | 8                                                        |
| 171                   | 85                   | 1                    | 2979                                                     | 1463                                                        | 1400                                                       | 7                                                        |
| 172                   | 85                   | 22                   | 2959                                                     | 1463                                                        | 1404                                                       | 8                                                        |
| 173                   | 85                   | 43                   | 2989                                                     | 1461                                                        | 1392                                                       | 4                                                        |
| 174                   | 86                   | 5                    | 2974                                                     | 1461                                                        | 1408                                                       | 7                                                        |
| 175                   | 86                   | 26                   | 2913                                                     | 1448                                                        | 1404                                                       | 6                                                        |
| 176                   | 86                   | 48                   | 2959                                                     | 1452                                                        | 1401                                                       | 4                                                        |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>ISTAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 177                   | 87                   | 9                    | 2959                                                     | 1456                                                        | 1400                                                       | 6                                                        |
| 178                   | 87                   | 31                   | 2954                                                     | 1452                                                        | 1402                                                       | 6                                                        |
| 179                   | 87                   | 52                   | 2944                                                     | 1452                                                        | 1402                                                       | 2                                                        |
| 180                   | 88                   | 13                   | 3030                                                     | 1442                                                        | 1402                                                       | 5                                                        |
| 181                   | 88                   | 35                   | 2964                                                     | 1450                                                        | 1404                                                       | 7                                                        |
| 182                   | 88                   | 56                   | 2979                                                     | 1444                                                        | 1408                                                       | 9                                                        |
| 183                   | 89                   | 17                   | 2949                                                     | 1430                                                        | 1400                                                       | 6                                                        |
| 184                   | 89                   | 39                   | 2979                                                     | 1461                                                        | 1400                                                       | 6                                                        |
| 185                   | 90                   | 0                    | 2974                                                     | 1446                                                        | 1400                                                       | 0                                                        |
| 186                   | 90                   | 21                   | 3030                                                     | 1479                                                        | 1420                                                       | 8                                                        |
| 187                   | 90                   | 43                   | 3040                                                     | 1475                                                        | 1414                                                       | 9                                                        |
| 188                   | 91                   | 4                    | 3030                                                     | 1475                                                        | 1424                                                       | 10                                                       |
| 189                   | 91                   | 25                   | 3040                                                     | 1475                                                        | 1422                                                       | 4                                                        |
| 190                   | 91                   | 46                   | 3030                                                     | 1473                                                        | 1420                                                       | 9                                                        |
| 191                   | 92                   | 7                    | 2984                                                     | 1489                                                        | 1422                                                       | 1                                                        |
| 192                   | 92                   | 28                   | 3035                                                     | 1475                                                        | 1422                                                       | 0                                                        |
| 193                   | 92                   | 49                   | 3030                                                     | 1463                                                        | 1410                                                       | 3                                                        |
| 194                   | 93                   | 10                   | 2994                                                     | 1477                                                        | 1420                                                       | 5                                                        |
| 195                   | 93                   | 31                   | 2974                                                     | 1491                                                        | 1426                                                       | 6                                                        |
| 196                   | 93                   | 52                   | 3040                                                     | 1489                                                        | 1414                                                       | 2                                                        |
| 197                   | 94                   | 13                   | 3040                                                     | 1501                                                        | 1420                                                       | 2                                                        |
| 198                   | 94                   | 34                   | 2989                                                     | 1493                                                        | 1466                                                       | 12                                                       |
| 199                   | 94                   | 56                   | 2974                                                     | 1475                                                        | 1400                                                       | 6                                                        |
| 200                   | 95                   | 17                   | 3004                                                     | 1469                                                        | 1409                                                       | 6                                                        |
| 201                   | 95                   | 39                   | 2979                                                     | 1461                                                        | 1402                                                       | 3                                                        |
| 202                   | 96                   | 0                    | 2959                                                     | 1463                                                        | 1400                                                       | 0                                                        |
| 203                   | 96                   | 21                   | 3035                                                     | 1463                                                        | 1404                                                       | 2                                                        |
| 204                   | 96                   | 43                   | 2993                                                     | 1453                                                        | 1400                                                       | 7                                                        |
| 205                   | 97                   | 4                    | 2994                                                     | 1469                                                        | 1400                                                       | 6                                                        |
| 206                   | 97                   | 25                   | 2944                                                     | 1475                                                        | 1400                                                       | 3                                                        |
| 207                   | 97                   | 47                   | 2934                                                     | 1465                                                        | 1420                                                       | 9                                                        |
| 208                   | 98                   | 8                    | 2969                                                     | 1459                                                        | 1390                                                       | 4                                                        |
| 209                   | 98                   | 29                   | 2964                                                     | 1446                                                        | 1394                                                       | 3                                                        |
| 210                   | 98                   | 50                   | 2969                                                     | 1465                                                        | 1415                                                       | 9                                                        |
| 211                   | 99                   | 12                   | 3009                                                     | 1463                                                        | 1404                                                       | 5                                                        |
| 212                   | 99                   | 33                   | 2979                                                     | 1454                                                        | 1402                                                       | 5                                                        |
| 213                   | 99                   | 54                   | 3030                                                     | 1473                                                        | 1406                                                       | 7                                                        |
| 214                   | 100                  | 16                   | 2959                                                     | 1461                                                        | 1400                                                       | 7                                                        |
| 215                   | 100                  | 37                   | 2934                                                     | 1459                                                        | 1400                                                       | 6                                                        |
| 216                   | 100                  | 58                   | 2984                                                     | 1456                                                        | 1400                                                       | 3                                                        |
| 217                   | 101                  | 20                   | 3030                                                     | 1463                                                        | 1408                                                       | 6                                                        |
| 218                   | 101                  | 41                   | 3030                                                     | 1456                                                        | 1404                                                       | 3                                                        |
| 219                   | 102                  | 2                    | 2883                                                     | 1438                                                        | 1390                                                       | 4                                                        |
| 220                   | 102                  | 24                   | 2918                                                     | 1454                                                        | 1404                                                       | 5                                                        |
| 221                   | 102                  | 45                   | 2954                                                     | 1444                                                        | 1386                                                       | 5                                                        |
| 222                   | 103                  | 7                    | 2843                                                     | 1448                                                        | 1382                                                       | 2                                                        |
| 223                   | 103                  | 28                   | 2934                                                     | 1454                                                        | 1388                                                       | 6                                                        |
| 224                   | 103                  | 50                   | 2979                                                     | 1463                                                        | 1416                                                       | 2                                                        |
| 225                   | 104                  | 11                   | 2929                                                     | 1473                                                        | 1461                                                       | 3                                                        |
| 226                   | 104                  | 32                   | 3030                                                     | 1456                                                        | 1402                                                       | 6                                                        |



| -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 227                   | 104                  | 53                   | 2944                                                     | 1477                                                        | 1406                                                       | 0                                                        |
| 228                   | 105                  | 15                   | 2954                                                     | 1467                                                        | 1406                                                       | 0                                                        |
| 229                   | 105                  | 36                   | 3030                                                     | 1475                                                        | 1406                                                       | 9                                                        |
| 230                   | 105                  | 57                   | 2934                                                     | 1469                                                        | 1402                                                       | 3                                                        |
| 231                   | 106                  | 19                   | 2974                                                     | 1452                                                        | 1409                                                       | 4                                                        |
| 232                   | 106                  | 40                   | 3030                                                     | 1473                                                        | 1416                                                       | 2                                                        |
| 233                   | 107                  | 1                    | 2979                                                     | 1454                                                        | 1409                                                       | 6                                                        |
| 234                   | 107                  | 23                   | 2974                                                     | 1459                                                        | 1390                                                       | 6                                                        |
| 235                   | 107                  | 44                   | 2954                                                     | 1469                                                        | 1406                                                       | 7                                                        |
| 236                   | 108                  | 5                    | 2944                                                     | 1456                                                        | 1390                                                       | 11                                                       |
| 237                   | 108                  | 27                   | 2954                                                     | 1469                                                        | 1402                                                       | 11                                                       |
| 238                   | 108                  | 48                   | 2934                                                     | 1456                                                        | 1402                                                       | 6                                                        |
| 239                   | 109                  | 10                   | 3045                                                     | 1459                                                        | 1412                                                       | 2                                                        |
| 240                   | 109                  | 31                   | 2944                                                     | 1454                                                        | 1416                                                       | 9                                                        |
| 241                   | 109                  | 52                   | 2923                                                     | 1459                                                        | 1416                                                       | 0                                                        |
| 242                   | 110                  | 14                   | 2954                                                     | 1461                                                        | 1402                                                       | 6                                                        |
| 243                   | 110                  | 35                   | 2939                                                     | 1456                                                        | 1420                                                       | 3                                                        |
| 244                   | 110                  | 56                   | 2944                                                     | 1459                                                        | 1400                                                       | 5                                                        |
| 245                   | 111                  | 18                   | 2999                                                     | 1461                                                        | 1402                                                       | 9                                                        |
| 246                   | 111                  | 39                   | 2959                                                     | 1459                                                        | 1402                                                       | 1                                                        |
| 247                   | 112                  | 0                    | 3030                                                     | 1467                                                        | 1402                                                       | 6                                                        |
| 248                   | 112                  | 22                   | 2999                                                     | 1469                                                        | 1402                                                       | 6                                                        |
| 249                   | 112                  | 43                   | 2974                                                     | 1469                                                        | 1402                                                       | 8                                                        |
| 250                   | 113                  | 4                    | 3030                                                     | 1463                                                        | 1402                                                       | 6                                                        |
| 251                   | 113                  | 26                   | 3024                                                     | 1452                                                        | 1420                                                       | 10                                                       |
| 252                   | 113                  | 47                   | 3040                                                     | 1473                                                        | 1418                                                       | 12                                                       |
| 253                   | 114                  | 6                    | 2974                                                     | 1477                                                        | 1416                                                       | 11                                                       |
| 254                   | 114                  | 29                   | 2964                                                     | 1467                                                        | 1420                                                       | 12                                                       |
| 255                   | 114                  | 50                   | 3045                                                     | 1483                                                        | 1422                                                       | 12                                                       |
| 256                   | 115                  | 11                   | 3030                                                     | 1493                                                        | 1420                                                       | 12                                                       |
| 257                   | 115                  | 32                   | 3030                                                     | 1475                                                        | 1414                                                       | 14                                                       |
| 258                   | 115                  | 53                   | 3080                                                     | 1475                                                        | 1414                                                       | 4                                                        |
| 259                   | 116                  | 14                   | 3030                                                     | 1481                                                        | 1468                                                       | 17                                                       |
| 260                   | 116                  | 36                   | 3050                                                     | 1495                                                        | 1420                                                       | 10                                                       |
| 261                   | 116                  | 57                   | 3040                                                     | 1493                                                        | 1424                                                       | 3                                                        |
| 262                   | 117                  | 18                   | 3040                                                     | 1467                                                        | 1420                                                       | 0                                                        |
| 263                   | 117                  | 39                   | 3024                                                     | 1493                                                        | 1432                                                       | 6                                                        |
| 264                   | 118                  | 6                    | 3040                                                     | 1475                                                        | 1416                                                       | 6                                                        |
| 265                   | 118                  | 21                   | 3030                                                     | 1493                                                        | 1412                                                       | 0                                                        |
| 266                   | 118                  | 42                   | 2979                                                     | 1475                                                        | 1416                                                       | 0                                                        |
| 267                   | 119                  | 3                    | 3030                                                     | 1481                                                        | 1406                                                       | 0                                                        |
| 268                   | 119                  | 24                   | 3030                                                     | 1485                                                        | 1412                                                       | 0                                                        |
| 269                   | 119                  | 45                   | 3050                                                     | 1481                                                        | 1428                                                       | 4                                                        |
| 270                   | 120                  | 6                    | 3035                                                     | 1495                                                        | 1419                                                       | 4                                                        |
| 271                   | 120                  | 27                   | 3035                                                     | 1489                                                        | 1418                                                       | 6                                                        |
| 272                   | 120                  | 48                   | 3030                                                     | 1491                                                        | 1422                                                       | 3                                                        |
| 273                   | 121                  | 9                    | 3040                                                     | 1493                                                        | 1424                                                       | 6                                                        |
| 274                   | 121                  | 30                   | 3080                                                     | 1493                                                        | 1420                                                       | 3                                                        |
| 275                   | 121                  | 51                   | 3080                                                     | 1479                                                        | 1420                                                       | 0                                                        |
| 276                   | 122                  | 12                   | 3070                                                     | 1489                                                        | 1422                                                       | 10                                                       |
|                       |                      |                      |                                                          |                                                             |                                                            | 12                                                       |

| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>ORAKE<br>RETURN<br>PSIG |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 277                   | 122                  | 33                   | 3040                                                     | 1501                                                        | 1420                                                       | 9                                                        |
| 278                   | 122                  | 54                   | 3030                                                     | 1452                                                        | 1404                                                       | 0                                                        |
| 279                   | 123                  | 15                   | 3024                                                     | 1477                                                        | 1420                                                       | +                                                        |
| 280                   | 123                  | 37                   | 3055                                                     | 1497                                                        | 1424                                                       | 11                                                       |
| 281                   | 123                  | 58                   | 3030                                                     | 1479                                                        | 1420                                                       | 5                                                        |
| 282                   | 124                  | 19                   | 3024                                                     | 1495                                                        | 1418                                                       | 4                                                        |
| 283                   | 124                  | 40                   | 3055                                                     | 1483                                                        | 1422                                                       | 2                                                        |
| 284                   | 125                  | 1                    | 3035                                                     | 1491                                                        | 1422                                                       | 9                                                        |
| 285                   | 125                  | 22                   | 3050                                                     | 1483                                                        | 1424                                                       | 0                                                        |
| 286                   | 125                  | 43                   | 3040                                                     | 1493                                                        | 1418                                                       | 2                                                        |
| 287                   | 126                  | 4                    | 3035                                                     | 1489                                                        | 1422                                                       | 15                                                       |
| 288                   | 126                  | 25                   | 3035                                                     | 1479                                                        | 1440                                                       | 1                                                        |
| 289                   | 126                  | 46                   | 2834                                                     | 1483                                                        | 1488                                                       | 37                                                       |
| 290                   | 127                  | 7                    | 3055                                                     | 1485                                                        | 1420                                                       | 13                                                       |
| 291                   | 127                  | 28                   | 3060                                                     | 1497                                                        | 1430                                                       | 0                                                        |
| 292                   | 127                  | 50                   | 3090                                                     | 1493                                                        | 1426                                                       | 13                                                       |
| 293                   | 128                  | 10                   | 3080                                                     | 1477                                                        | 1416                                                       | 4                                                        |
| 294                   | 128                  | 30                   | 2893                                                     | 1428                                                        | 1370                                                       | 7                                                        |
| 295                   | 128                  | 51                   | 2979                                                     | 1479                                                        | 1422                                                       | 1                                                        |
| 296                   | 129                  | 12                   | 3080                                                     | 1493                                                        | 1436                                                       | 10                                                       |
| 297                   | 129                  | 32                   | 2984                                                     | 1487                                                        | 1420                                                       | 6                                                        |
| 298                   | 129                  | 54                   | 3035                                                     | 1483                                                        | 1428                                                       | 13                                                       |
| 299                   | 130                  | 16                   | 3070                                                     | 1493                                                        | 1414                                                       | 12                                                       |
| 300                   | 130                  | 37                   | 3030                                                     | 1497                                                        | 1414                                                       | 7                                                        |
| 301                   | 130                  | 58                   | 3040                                                     | 1495                                                        | 1427                                                       | 7                                                        |
| 302                   | 131                  | 19                   | 3075                                                     | 1495                                                        | 1438                                                       | 5                                                        |
| 303                   | 131                  | 40                   | 3075                                                     | 1499                                                        | 1423                                                       | 15                                                       |
| 304                   | 132                  | 1                    | 3090                                                     | 1483                                                        | *                                                          | *                                                        |
| 305                   | 132                  | 22                   | 2944                                                     | 1513                                                        | 1420                                                       | *                                                        |
| 306                   | 132                  | 43                   | 2883                                                     | 1475                                                        | 1412                                                       | 3                                                        |
| 307                   | 133                  | 5                    | 2944                                                     | 1459                                                        | 1400                                                       | 6                                                        |
| 308                   | 133                  | 26                   | 2929                                                     | 1465                                                        | 1408                                                       | 6                                                        |
| 309                   | 133                  | 47                   | 3035                                                     | 1461                                                        | 1436                                                       | 13                                                       |
| 310                   | 134                  | 8                    | 3055                                                     | 1483                                                        | 1422                                                       | 9                                                        |
| 311                   | 134                  | 29                   | 3065                                                     | 1497                                                        | 1424                                                       | 12                                                       |
| 312                   | 134                  | 51                   | 3035                                                     | 1473                                                        | 1424                                                       | 12                                                       |
| 313                   | 135                  | 12                   | 3035                                                     | 1459                                                        | 1420                                                       | 15                                                       |
| 314                   | 135                  | 33                   | 2964                                                     | 1483                                                        | 1420                                                       | 12                                                       |
| 315                   | 135                  | 54                   | 3030                                                     | 1492                                                        | 1406                                                       | 14                                                       |
| 316                   | 136                  | 15                   | 2979                                                     | 1481                                                        | 1408                                                       | 11                                                       |
| 317                   | 136                  | 37                   | 3030                                                     | 1475                                                        | 1406                                                       | 9                                                        |
| 318                   | 136                  | 58                   | 3040                                                     | 1467                                                        | 1414                                                       | 8                                                        |
| 319                   | 137                  | 19                   | 3045                                                     | 1475                                                        | 1414                                                       | 10                                                       |
| 320                   | 137                  | 40                   | 3019                                                     | 1473                                                        | 1420                                                       | 9                                                        |
| 321                   | 138                  | 1                    | 3019                                                     | 1493                                                        | 1420                                                       | 8                                                        |
| 322                   | 138                  | 23                   | 3030                                                     | 1455                                                        | 1410                                                       | 9                                                        |
| 323                   | 138                  | 45                   | 3040                                                     | 813                                                         | 1394                                                       | 8                                                        |
| 324                   | 139                  | 6                    | 3035                                                     | 20                                                          | 1410                                                       | 12                                                       |
| 325                   | 139                  | 27                   | 3004                                                     | 24                                                          | 1432                                                       | 12                                                       |
| 326                   | 139                  | 48                   | 3040                                                     | 12                                                          | 1422                                                       | 13                                                       |

|     |                       |                      |                      |                                                          |                                                             |                                                            |                                                          |
|-----|-----------------------|----------------------|----------------------|----------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|
| 344 | -01<br>SWEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 2-03<br>TIME<br>SEC. | 2-15<br>UTIL.<br>HYD.<br>PUMP<br>OUTLET<br>PRESS<br>PSIG | 2-16<br>1STAGE<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-17<br>UTIL.<br>HYD.<br>ROTARY<br>RUDDER<br>INLET<br>PSIG | 2-18<br>NO.1<br>MAIN<br>WHEEL<br>BRAKE<br>RETURN<br>PSIG |
|     | 327<br>326            | 140<br>140           | 9<br>30              | 3035<br>3035                                             | 20<br>24                                                    | 1428<br>1422                                               | 12<br>17                                                 |

MM-53C S/N 6--10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHAMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STA460<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 32                    | 32                   | 14                   | 62                                    | 59                                                          | 57                                                         | 60                                                         | 63                                                          | 66                                                          | 59                                                           | 57                                                           | 73                                                      | 59                                                       |
| 33                    | 32                   | 35                   | 62                                    | 59                                                          | 57                                                         | 61                                                         | 64                                                          | 66                                                          | 59                                                           | 57                                                           | 73                                                      | 59                                                       |
| 34                    | 32                   | 57                   | 62                                    | 59                                                          | 57                                                         | 60                                                         | 63                                                          | 66                                                          | 59                                                           | 57                                                           | 73                                                      | 59                                                       |
| 35                    | 34                   | 48                   | 64                                    | 60                                                          | 59                                                         | 62                                                         | 65                                                          | 67                                                          | 60                                                           | 58                                                           | 75                                                      | 60                                                       |
| 36                    | 35                   | 14                   | *                                     | *                                                           | *                                                          | *                                                          | *                                                           | *                                                           | *                                                            | *                                                            | *                                                       | *                                                        |
| 37                    | 37                   | 37                   | 59                                    | 56                                                          | 54                                                         | 57                                                         | 53                                                          | 59                                                          | 56                                                           | 54                                                           | 67                                                      | 51                                                       |
| 38                    | 37                   | 58                   | 60                                    | 56                                                          | 54                                                         | 58                                                         | 55                                                          | 60                                                          | 56                                                           | 54                                                           | 68                                                      | 52                                                       |
| 39                    | 38                   | 20                   | 60                                    | 56                                                          | 54                                                         | 58                                                         | 53                                                          | 60                                                          | 55                                                           | 54                                                           | 66                                                      | 51                                                       |
| 40                    | 38                   | 41                   | 60                                    | 56                                                          | 54                                                         | 58                                                         | 52                                                          | 56                                                          | 55                                                           | 53                                                           | 65                                                      | 49                                                       |
| 41                    | 39                   | 3                    | 60                                    | 56                                                          | 54                                                         | 57                                                         | 50                                                          | 55                                                          | 54                                                           | 52                                                           | 63                                                      | 48                                                       |
| 42                    | 39                   | 24                   | 60                                    | 56                                                          | 54                                                         | 57                                                         | 50                                                          | 54                                                          | 54                                                           | 52                                                           | 63                                                      | 48                                                       |
| 43                    | 39                   | 46                   | 60                                    | 56                                                          | 54                                                         | 56                                                         | 51                                                          | 55                                                          | 54                                                           | 52                                                           | 62                                                      | 46                                                       |
| 44                    | 40                   | 7                    | 59                                    | 55                                                          | 54                                                         | 57                                                         | 51                                                          | 56                                                          | 54                                                           | 52                                                           | 62                                                      | 48                                                       |
| 45                    | 40                   | 29                   | 60                                    | 56                                                          | 53                                                         | 57                                                         | 52                                                          | 55                                                          | 54                                                           | 52                                                           | 62                                                      | 49                                                       |
| 46                    | 40                   | 50                   | 59                                    | 55                                                          | 53                                                         | 57                                                         | 50                                                          | 55                                                          | 55                                                           | 51                                                           | 62                                                      | 49                                                       |
| 47                    | 41                   | 12                   | 59                                    | 55                                                          | 53                                                         | 57                                                         | 51                                                          | 53                                                          | 53                                                           | 51                                                           | 60                                                      | 48                                                       |
| 48                    | 41                   | 33                   | 59                                    | 55                                                          | 53                                                         | 56                                                         | 50                                                          | 52                                                          | 52                                                           | 51                                                           | 59                                                      | 46                                                       |
| 49                    | 41                   | 55                   | 59                                    | 55                                                          | 53                                                         | 56                                                         | 51                                                          | 52                                                          | 49                                                           | 49                                                           | 58                                                      | 46                                                       |
| 50                    | 42                   | 16                   | 59                                    | 55                                                          | 53                                                         | 56                                                         | 50                                                          | 51                                                          | 49                                                           | 50                                                           | 57                                                      | 46                                                       |
| 51                    | 42                   | 38                   | 59                                    | 55                                                          | 53                                                         | 55                                                         | 49                                                          | 52                                                          | 48                                                           | 49                                                           | 58                                                      | 47                                                       |
| 52                    | 42                   | 59                   | 59                                    | 55                                                          | 53                                                         | 55                                                         | 51                                                          | 53                                                          | 47                                                           | 50                                                           | 57                                                      | 46                                                       |
| 53                    | 43                   | 20                   | 59                                    | 55                                                          | 53                                                         | 55                                                         | 50                                                          | 51                                                          | 48                                                           | 50                                                           | 57                                                      | 47                                                       |
| 54                    | 43                   | 42                   | 59                                    | 54                                                          | 51                                                         | 55                                                         | 51                                                          | 52                                                          | 45                                                           | 44                                                           | 57                                                      | 48                                                       |
| 55                    | 44                   | 3                    | 59                                    | 54                                                          | 52                                                         | 55                                                         | 51                                                          | 53                                                          | 45                                                           | 44                                                           | 59                                                      | 48                                                       |
| 56                    | 44                   | 25                   | 59                                    | 54                                                          | 51                                                         | 54                                                         | 49                                                          | 54                                                          | 43                                                           | 44                                                           | 59                                                      | 48                                                       |
| 57                    | 44                   | 46                   | 59                                    | 54                                                          | 51                                                         | 54                                                         | 49                                                          | 54                                                          | 42                                                           | 42                                                           | 59                                                      | 48                                                       |
| 58                    | 45                   | 8                    | 58                                    | 54                                                          | 50                                                         | 54                                                         | 51                                                          | 53                                                          | 41                                                           | 41                                                           | 59                                                      | 48                                                       |
| 59                    | 45                   | 29                   | 58                                    | 54                                                          | 50                                                         | 54                                                         | 51                                                          | 53                                                          | 41                                                           | 42                                                           | 59                                                      | 48                                                       |
| 60                    | 45                   | 51                   | 58                                    | 52                                                          | 50                                                         | 53                                                         | 50                                                          | 55                                                          | 42                                                           | 42                                                           | 61                                                      | 49                                                       |
| 61                    | 46                   | 12                   | 62                                    | 58                                                          | 53                                                         | 56                                                         | 52                                                          | 55                                                          | 45                                                           | 48                                                           | 62                                                      | 50                                                       |
| 62                    | 46                   | 33                   | 62                                    | 55                                                          | 53                                                         | 56                                                         | 49                                                          | 56                                                          | 46                                                           | 49                                                           | 62                                                      | 51                                                       |
| 63                    | 46                   | 55                   | 61                                    | 55                                                          | 53                                                         | 56                                                         | 49                                                          | 55                                                          | 49                                                           | 50                                                           | 62                                                      | 50                                                       |
| 64                    | 47                   | 16                   | 62                                    | 55                                                          | 53                                                         | 56                                                         | 49                                                          | 55                                                          | 49                                                           | 50                                                           | 61                                                      | 49                                                       |
| 65                    | 47                   | 37                   | 63                                    | 56                                                          | 53                                                         | 56                                                         | 50                                                          | 54                                                          | 49                                                           | 51                                                           | 60                                                      | 49                                                       |
| 66                    | 47                   | 58                   | 63                                    | 56                                                          | 53                                                         | 56                                                         | 51                                                          | 53                                                          | 49                                                           | 51                                                           | 59                                                      | 49                                                       |
| 67                    | 48                   | 19                   | 63                                    | 57                                                          | 53                                                         | 55                                                         | 50                                                          | 51                                                          | 50                                                           | 51                                                           | 57                                                      | 48                                                       |
| 68                    | 48                   | 40                   | 63                                    | 57                                                          | 53                                                         | 55                                                         | 50                                                          | 51                                                          | 50                                                           | 51                                                           | 56                                                      | 46                                                       |
| 69                    | 49                   | 1                    | 64                                    | 55                                                          | 53                                                         | 55                                                         | 48                                                          | 49                                                          | 51                                                           | 51                                                           | 55                                                      | 46                                                       |
| 70                    | 49                   | 22                   | 64                                    | 55                                                          | 53                                                         | 55                                                         | 48                                                          | 49                                                          | 51                                                           | 51                                                           | 55                                                      | 46                                                       |
| 71                    | 49                   | 43                   | 64                                    | 55                                                          | 53                                                         | 55                                                         | 48                                                          | 49                                                          | 51                                                           | 51                                                           | 55                                                      | 45                                                       |
| 72                    | 50                   | 4                    | 64                                    | 54                                                          | 52                                                         | 54                                                         | 49                                                          | 49                                                          | 52                                                           | 51                                                           | 54                                                      | 46                                                       |
| 73                    | 50                   | 25                   | 64                                    | 53                                                          | 52                                                         | 54                                                         | 49                                                          | 49                                                          | 52                                                           | 52                                                           | 54                                                      | 47                                                       |
| 74                    | 50                   | 47                   | 64                                    | 53                                                          | 53                                                         | 54                                                         | 49                                                          | 49                                                          | 52                                                           | 52                                                           | 54                                                      | 46                                                       |
| 75                    | 51                   | 9                    | 64                                    | 54                                                          | 53                                                         | 54                                                         | 49                                                          | 49                                                          | 52                                                           | 50                                                           | 54                                                      | 46                                                       |
| 76                    | 51                   | 23                   | 64                                    | 54                                                          | 53                                                         | 53                                                         | 50                                                          | 50                                                          | 50                                                           | 51                                                           | 54                                                      | 47                                                       |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(OKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(OKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STAGE<br>-470KS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STAGE<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 77                    | 51                   | 50                   | 64                                    | 55                                                         | 52                                                | 53                                                | 51                                                          | 51                                                          | 48                                                          | 48                                                          | 54                                                      | 48                                                       |
| 78                    | 52                   | 11                   | 65                                    | 55                                                         | 52                                                | 53                                                | 50                                                          | 51                                                          | 48                                                          | 49                                                          | 55                                                      | 48                                                       |
| 79                    | 52                   | 32                   | 65                                    | 55                                                         | 52                                                | 53                                                | 50                                                          | 51                                                          | 48                                                          | 48                                                          | 55                                                      | 48                                                       |
| 80                    | 53                   | 53                   | 64                                    | 55                                                         | 52                                                | 53                                                | 50                                                          | 52                                                          | 47                                                          | 46                                                          | 55                                                      | 48                                                       |
| 81                    | 53                   | 14                   | 65                                    | 54                                                         | 52                                                | 53                                                | 50                                                          | 52                                                          | 47                                                          | 46                                                          | 55                                                      | 48                                                       |
| 82                    | 53                   | 35                   | 64                                    | 53                                                         | 53                                                | 53                                                | 50                                                          | 51                                                          | 46                                                          | 46                                                          | 55                                                      | 47                                                       |
| 83                    | 53                   | 57                   | 64                                    | 53                                                         | 52                                                | 53                                                | 50                                                          | 51                                                          | 46                                                          | 45                                                          | 55                                                      | 48                                                       |
| 84                    | 54                   | 18                   | 65                                    | 54                                                         | 52                                                | 53                                                | 51                                                          | 52                                                          | 46                                                          | 45                                                          | 55                                                      | 49                                                       |
| 85                    | 54                   | 39                   | 65                                    | 54                                                         | 52                                                | 52                                                | 51                                                          | 52                                                          | 46                                                          | 46                                                          | 55                                                      | 49                                                       |
| 86                    | 55                   | 0                    | 64                                    | 54                                                         | 52                                                | 52                                                | 50                                                          | 51                                                          | 48                                                          | 48                                                          | 55                                                      | 50                                                       |
| 87                    | 55                   | 21                   | 62                                    | 55                                                         | 52                                                | 54                                                | 50                                                          | 51                                                          | 49                                                          | 49                                                          | 55                                                      | 50                                                       |
| 88                    | 55                   | 42                   | 61                                    | 56                                                         | 53                                                | 54                                                | 50                                                          | 52                                                          | 50                                                          | 50                                                          | 55                                                      | 51                                                       |
| 89                    | 56                   | 3                    | 61                                    | 56                                                         | 52                                                | 54                                                | 48                                                          | 53                                                          | 51                                                          | 50                                                          | 55                                                      | 49                                                       |
| 90                    | 56                   | 24                   | 60                                    | 56                                                         | 53                                                | 54                                                | 48                                                          | 51                                                          | 51                                                          | 48                                                          | 54                                                      | 51                                                       |
| 91                    | 56                   | 45                   | 59                                    | 57                                                         | 53                                                | 54                                                | 49                                                          | 52                                                          | 50                                                          | 49                                                          | 53                                                      | 50                                                       |
| 92                    | 57                   | 6                    | 56                                    | 57                                                         | 55                                                | 54                                                | 47                                                          | 49                                                          | 49                                                          | 45                                                          | 52                                                      | 48                                                       |
| 93                    | 57                   | 28                   | 53                                    | 59                                                         | 56                                                | 56                                                | 44                                                          | 46                                                          | 46                                                          | 46                                                          | 51                                                      | 47                                                       |
| 94                    | 57                   | 48                   | 51                                    | 62                                                         | 57                                                | 58                                                | 43                                                          | 47                                                          | 50                                                          | 45                                                          | 49                                                      | 47                                                       |
| 95                    | 58                   | 9                    | 49                                    | 60                                                         | 59                                                | 59                                                | 43                                                          | 45                                                          | 49                                                          | 45                                                          | 48                                                      | 47                                                       |
| 96                    | 58                   | 30                   | 48                                    | 61                                                         | 58                                                | 59                                                | 43                                                          | 45                                                          | 49                                                          | 45                                                          | 48                                                      | 46                                                       |
| 97                    | 58                   | 51                   | 47                                    | 61                                                         | 59                                                | 59                                                | 44                                                          | 45                                                          | 49                                                          | 45                                                          | 48                                                      | 46                                                       |
| 98                    | 59                   | 12                   | 46                                    | 60                                                         | 59                                                | 59                                                | 44                                                          | 45                                                          | 49                                                          | 45                                                          | 46                                                      | 47                                                       |
| 99                    | 59                   | 33                   | 45                                    | 61                                                         | 59                                                | 59                                                | 42                                                          | 45                                                          | 48                                                          | 45                                                          | 45                                                      | 46                                                       |
| 100                   | 59                   | 54                   | 45                                    | 59                                                         | 58                                                | 58                                                | 42                                                          | 44                                                          | 48                                                          | 45                                                          | 45                                                      | 45                                                       |
| 101                   | 59                   | 15                   | 44                                    | 59                                                         | 58                                                | 58                                                | 43                                                          | 44                                                          | 47                                                          | 44                                                          | 44                                                      | 44                                                       |
| 102                   | 59                   | 36                   | 43                                    | 58                                                         | 57                                                | 57                                                | 43                                                          | 44                                                          | 47                                                          | 45                                                          | 45                                                      | 44                                                       |
| 103                   | 60                   | 57                   | 43                                    | 57                                                         | 57                                                | 56                                                | 42                                                          | 44                                                          | 46                                                          | 44                                                          | 44                                                      | 44                                                       |
| 104                   | 61                   | 18                   | 43                                    | 57                                                         | 56                                                | 56                                                | 41                                                          | 43                                                          | 47                                                          | 44                                                          | 44                                                      | 44                                                       |
| 105                   | 61                   | 39                   | 42                                    | 56                                                         | 56                                                | 56                                                | 41                                                          | 43                                                          | 46                                                          | 45                                                          | 44                                                      | 44                                                       |
| 106                   | 62                   | 1                    | 42                                    | 55                                                         | 55                                                | 55                                                | 42                                                          | 43                                                          | 46                                                          | 44                                                          | 44                                                      | 44                                                       |
| 107                   | 62                   | 19                   | 42                                    | 55                                                         | 55                                                | 55                                                | 41                                                          | 43                                                          | 46                                                          | 44                                                          | 44                                                      | 43                                                       |
| 108                   | 62                   | 43                   | 43                                    | 55                                                         | 55                                                | 54                                                | 42                                                          | 43                                                          | 46                                                          | 44                                                          | 44                                                      | 44                                                       |
| 109                   | 63                   | 4                    | 42                                    | 54                                                         | 54                                                | 54                                                | 41                                                          | 43                                                          | 46                                                          | 44                                                          | 44                                                      | 44                                                       |
| 110                   | 63                   | 26                   | 43                                    | 54                                                         | 54                                                | 54                                                | 43                                                          | 44                                                          | 47                                                          | 45                                                          | 44                                                      | 45                                                       |
| 111                   | 63                   | 47                   | 42                                    | 53                                                         | 54                                                | 53                                                | 44                                                          | 45                                                          | 47                                                          | 46                                                          | 44                                                      | 47                                                       |
| 112                   | 64                   | 8                    | 43                                    | 54                                                         | 54                                                | 53                                                | 47                                                          | 47                                                          | 48                                                          | 46                                                          | 46                                                      | 49                                                       |
| 113                   | 64                   | 29                   | 44                                    | 53                                                         | 53                                                | 54                                                | 48                                                          | 48                                                          | 47                                                          | 47                                                          | 47                                                      | 49                                                       |
| 114                   | 64                   | 51                   | 44                                    | 53                                                         | 52                                                | 52                                                | 48                                                          | 48                                                          | 51                                                          | 54                                                          | 47                                                      | 50                                                       |
| 115                   | 65                   | 12                   | 45                                    | 53                                                         | 52                                                | 52                                                | 49                                                          | 48                                                          | 51                                                          | 50                                                          | 48                                                      | 51                                                       |
| 116                   | 65                   | 33                   | 45                                    | 54                                                         | 53                                                | 53                                                | 49                                                          | 48                                                          | 51                                                          | 49                                                          | 48                                                      | 51                                                       |
| 117                   | 65                   | 54                   | 44                                    | 52                                                         | 53                                                | 53                                                | 49                                                          | 48                                                          | 50                                                          | 49                                                          | 48                                                      | 50                                                       |
| 118                   | 66                   | 16                   | 44                                    | 53                                                         | 52                                                | 53                                                | 48                                                          | 48                                                          | 50                                                          | 50                                                          | 48                                                      | 50                                                       |
| 119                   | 66                   | 37                   | 43                                    | 53                                                         | 53                                                | 53                                                | 48                                                          | 49                                                          | 50                                                          | 46                                                          | 49                                                      | 50                                                       |
| 120                   | 66                   | 58                   | 42                                    | 52                                                         | 52                                                | 52                                                | 48                                                          | 49                                                          | 48                                                          | 46                                                          | 49                                                      | 49                                                       |
| 121                   | 67                   | 20                   | 42                                    | 52                                                         | 52                                                | 52                                                | 49                                                          | 49                                                          | 47                                                          | 45                                                          | 48                                                      | 48                                                       |
| 122                   | 67                   | 41                   | 41                                    | 51                                                         | 51                                                | 51                                                | 47                                                          | 49                                                          | 46                                                          | 46                                                          | 48                                                      | 48                                                       |
| 123                   | 68                   | 2                    | 41                                    | 50                                                         | 50                                                | 50                                                | 46                                                          | 48                                                          | 46                                                          | 44                                                          | 48                                                      | 48                                                       |
| 124                   | 68                   | 23                   | 41                                    | 49                                                         | 49                                                | 49                                                | 46                                                          | 49                                                          | 47                                                          | 45                                                          | 48                                                      | 48                                                       |
| 125                   | 68                   | 45                   | 41                                    | 48                                                         | 49                                                | 49                                                | 46                                                          | 49                                                          | 47                                                          | 45                                                          | 47                                                      | 47                                                       |
| 126                   | 69                   | 6                    | 41                                    | 48                                                         | 49                                                | 48                                                | 47                                                          | 48                                                          | 47                                                          | 45                                                          | 48                                                      | 48                                                       |

| -41<br>SLEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHAMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS END<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS END<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPT)<br>L-S-A<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPT)<br>R-S-A<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STAGE<br>-478LS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STAGE<br>-478LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>HAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 127                   | 58                   | 27                   | 41                                    | 48                                                          | 48                                                         | 48                                                         | 47                                                          | 49                                                          | 48                                                          | 46                                                          | 48                                                      | 48                                                       |
| 128                   | 00                   | 48                   | 41                                    | 47                                                          | 47                                                         | 47                                                         | 47                                                          | 48                                                          | 47                                                          | 45                                                          | 48                                                      | 48                                                       |
| 129                   | 00                   | 10                   | 41                                    | 46                                                          | 47                                                         | 47                                                         | 47                                                          | 48                                                          | 47                                                          | 46                                                          | 47                                                      | 47                                                       |
| 130                   | 00                   | 31                   | 42                                    | 46                                                          | 46                                                         | 46                                                         | 46                                                          | 48                                                          | 46                                                          | 46                                                          | 46                                                      | 46                                                       |
| 131                   | 00                   | 52                   | 42                                    | 45                                                          | 46                                                         | 46                                                         | 46                                                          | 48                                                          | 47                                                          | 45                                                          | 46                                                      | 46                                                       |
| 132                   | 01                   | 13                   | 41                                    | 45                                                          | 46                                                         | 45                                                         | 47                                                          | 48                                                          | 47                                                          | 45                                                          | 46                                                      | 46                                                       |
| 133                   | 01                   | 35                   | 41                                    | 45                                                          | 46                                                         | 45                                                         | 47                                                          | 48                                                          | 46                                                          | 45                                                          | 47                                                      | 46                                                       |
| 134                   | 01                   | 56                   | 41                                    | 44                                                          | 45                                                         | 45                                                         | 46                                                          | 48                                                          | 46                                                          | 45                                                          | 47                                                      | 46                                                       |
| 135                   | 02                   | 17                   | 42                                    | 44                                                          | 45                                                         | 45                                                         | 46                                                          | 48                                                          | 46                                                          | 45                                                          | 47                                                      | 46                                                       |
| 136                   | 02                   | 38                   | 42                                    | 44                                                          | 45                                                         | 45                                                         | 46                                                          | 48                                                          | 46                                                          | 45                                                          | 47                                                      | 46                                                       |
| 137                   | 03                   | 0                    | 42                                    | 44                                                          | 45                                                         | 45                                                         | 46                                                          | 48                                                          | 46                                                          | 45                                                          | 47                                                      | 46                                                       |
| 138                   | 03                   | 21                   | 41                                    | 44                                                          | 44                                                         | 44                                                         | 46                                                          | 48                                                          | 46                                                          | 46                                                          | 47                                                      | 46                                                       |
| 139                   | 03                   | 42                   | 42                                    | 44                                                          | 45                                                         | 44                                                         | 47                                                          | 48                                                          | 46                                                          | 46                                                          | 47                                                      | 46                                                       |
| 140                   | 04                   | 3                    | 42                                    | 44                                                          | 45                                                         | 44                                                         | 46                                                          | 48                                                          | 46                                                          | 46                                                          | 47                                                      | 46                                                       |
| 141                   | 04                   | 25                   | 42                                    | 44                                                          | 44                                                         | 44                                                         | 46                                                          | 48                                                          | 46                                                          | 46                                                          | 47                                                      | 46                                                       |
| 142                   | 04                   | 46                   | 41                                    | 43                                                          | 44                                                         | 44                                                         | 46                                                          | 48                                                          | 46                                                          | 45                                                          | 46                                                      | 46                                                       |
| 143                   | 05                   | 7                    | 41                                    | 43                                                          | 44                                                         | 44                                                         | 46                                                          | 48                                                          | 46                                                          | 45                                                          | 46                                                      | 46                                                       |
| 144                   | 05                   | 28                   | 41                                    | 43                                                          | 44                                                         | 44                                                         | 46                                                          | 48                                                          | 46                                                          | 46                                                          | 46                                                      | 45                                                       |
| 145                   | 05                   | 50                   | 41                                    | 43                                                          | 44                                                         | 44                                                         | 46                                                          | 48                                                          | 46                                                          | 46                                                          | 46                                                      | 45                                                       |
| 146                   | 06                   | 11                   | 42                                    | 43                                                          | 44                                                         | 44                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 45                                                       |
| 147                   | 06                   | 32                   | 41                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 45                                                       |
| 148                   | 06                   | 53                   | 42                                    | 43                                                          | 44                                                         | 43                                                         | 45                                                          | 46                                                          | 46                                                          | 47                                                          | 46                                                      | 45                                                       |
| 149                   | 07                   | 15                   | 42                                    | 43                                                          | 44                                                         | 43                                                         | 46                                                          | 46                                                          | 46                                                          | 48                                                          | 46                                                      | 45                                                       |
| 150                   | 07                   | 36                   | 43                                    | 43                                                          | 44                                                         | 43                                                         | 46                                                          | 46                                                          | 46                                                          | 48                                                          | 46                                                      | 46                                                       |
| 151                   | 07                   | 57                   | 43                                    | 43                                                          | 44                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 47                                                          | 46                                                      | 46                                                       |
| 152                   | 08                   | 18                   | 43                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 46                                                          | 46                                                          | 47                                                          | 46                                                      | 46                                                       |
| 153                   | 08                   | 40                   | 42                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 46                                                          | 46                                                          | 47                                                          | 46                                                      | 47                                                       |
| 154                   | 09                   | 1                    | 42                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 47                                                       |
| 155                   | 09                   | 22                   | 42                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 47                                                       |
| 156                   | 09                   | 43                   | 41                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 46                                                          | 46                                                          | 45                                                          | 46                                                      | 46                                                       |
| 157                   | 09                   | 5                    | 41                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 45                                                          | 46                                                      | 46                                                       |
| 158                   | 09                   | 26                   | 41                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 46                                                       |
| 159                   | 09                   | 47                   | 41                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 46                                                       |
| 160                   | 10                   | 8                    | 41                                    | 42                                                          | 43                                                         | 42                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 46                                                       |
| 161                   | 10                   | 30                   | 40                                    | 41                                                          | 42                                                         | 42                                                         | 46                                                          | 46                                                          | 46                                                          | 45                                                          | 46                                                      | 46                                                       |
| 162                   | 10                   | 51                   | 41                                    | 41                                                          | 43                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 46                                                       |
| 163                   | 10                   | 13                   | 41                                    | 41                                                          | 43                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 46                                                       |
| 164                   | 10                   | 34                   | 43                                    | 42                                                          | 43                                                         | 42                                                         | 46                                                          | 47                                                          | 46                                                          | 46                                                          | 46                                                      | 46                                                       |
| 165                   | 10                   | 55                   | 42                                    | 42                                                          | 43                                                         | 43                                                         | 46                                                          | 47                                                          | 46                                                          | 47                                                          | 46                                                      | 46                                                       |
| 166                   | 10                   | 17                   | 41                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 46                                                          | 47                                                          | 47                                                          | 46                                                      | 46                                                       |
| 167                   | 10                   | 38                   | 41                                    | 42                                                          | 44                                                         | 43                                                         | 46                                                          | 46                                                          | 47                                                          | 45                                                          | 46                                                      | 46                                                       |
| 168                   | 10                   | 59                   | 41                                    | 42                                                          | 43                                                         | 43                                                         | 46                                                          | 46                                                          | 46                                                          | 49                                                          | 46                                                      | 46                                                       |
| 169                   | 11                   | 21                   | 49                                    | 44                                                          | 45                                                         | 44                                                         | 46                                                          | 46                                                          | 46                                                          | 49                                                          | 46                                                      | 46                                                       |
| 170                   | 11                   | 42                   | 50                                    | 46                                                          | 46                                                         | 46                                                         | 46                                                          | 46                                                          | 46                                                          | 49                                                          | 46                                                      | 46                                                       |
| 171                   | 11                   | 3                    | 52                                    | 46                                                          | 47                                                         | 47                                                         | 46                                                          | 46                                                          | 46                                                          | 49                                                          | 46                                                      | 46                                                       |
| 172                   | 11                   | 25                   | 51                                    | 46                                                          | 48                                                         | 48                                                         | 46                                                          | 46                                                          | 46                                                          | 49                                                          | 46                                                      | 46                                                       |
| 173                   | 11                   | 46                   | 51                                    | 47                                                          | 48                                                         | 48                                                         | 46                                                          | 46                                                          | 46                                                          | 49                                                          | 46                                                      | 46                                                       |
| 174                   | 11                   | 7                    | 52                                    | 48                                                          | 49                                                         | 49                                                         | 46                                                          | 46                                                          | 46                                                          | 49                                                          | 46                                                      | 46                                                       |
| 175                   | 11                   | 29                   | 52                                    | 49                                                          | 50                                                         | 51                                                         | 49                                                          | 49                                                          | 49                                                          | 51                                                          | 49                                                      | 49                                                       |
| 176                   | 11                   | 50                   | 54                                    | 50                                                          | 51                                                         | 51                                                         | 49                                                          | 49                                                          | 49                                                          | 52                                                          | 49                                                      | 50                                                       |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN.<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHAMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DUCT<br>L5 FWD<br>DEG.C | 3-04<br>HEATER<br>MAIN<br>DUCT<br>DIST.<br>RS FWD<br>DEG.C | 3-09<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DUCT<br>OUTLET<br>STAG60<br>-470LS<br>DEG.C | 3-12<br>DUCT<br>OUTLET<br>STAG60<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------|-------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 177                   | 87                   | 12                   | 54                                     | 51                                                          | 52                                                | 52                                                         | 51                                                 | 50                                                 | 51                                                  | 52                                                  | 49                                                      | 51                                                       |
| 178                   | 87                   | 33                   | 54                                     | 52                                                          | 53                                                | 53                                                         | 51                                                 | 50                                                 | 52                                                  | 50                                                  | 49                                                      | 51                                                       |
| 179                   | 87                   | 55                   | 54                                     | 52                                                          | 53                                                | 53                                                         | 50                                                 | 50                                                 | 52                                                  | 51                                                  | 50                                                      | 51                                                       |
| 180                   | 88                   | 16                   | 53                                     | 52                                                          | 54                                                | 54                                                         | 51                                                 | 51                                                 | 51                                                  | 52                                                  | 51                                                      | 52                                                       |
| 181                   | 88                   | 37                   | 54                                     | 52                                                          | 54                                                | 54                                                         | 51                                                 | 51                                                 | 52                                                  | 52                                                  | 50                                                      | 51                                                       |
| 182                   | 88                   | 59                   | 54                                     | 54                                                          | 55                                                | 55                                                         | 50                                                 | 51                                                 | 51                                                  | 51                                                  | 50                                                      | 51                                                       |
| 183                   | 89                   | 20                   | 54                                     | 54                                                          | 55                                                | 55                                                         | 51                                                 | 51                                                 | 51                                                  | 51                                                  | 51                                                      | 50                                                       |
| 184                   | 89                   | 41                   | 46                                     | 53                                                          | 54                                                | 54                                                         | 49                                                 | 50                                                 | 49                                                  | 48                                                  | 51                                                      | 49                                                       |
| 185                   | 90                   | 7                    | 45                                     | 51                                                          | 52                                                | 52                                                         | 49                                                 | 51                                                 | 49                                                  | 48                                                  | 51                                                      | 49                                                       |
| 186                   | 90                   | 24                   | 42                                     | 50                                                          | 50                                                | 51                                                         | 49                                                 | 50                                                 | 48                                                  | 48                                                  | 50                                                      | 48                                                       |
| 187                   | 90                   | 45                   | 40                                     | 48                                                          | 49                                                | 49                                                         | 48                                                 | 50                                                 | 46                                                  | 48                                                  | 48                                                      | 48                                                       |
| 188                   | 91                   | 6                    | 39                                     | 47                                                          | 48                                                | 48                                                         | 48                                                 | 49                                                 | 47                                                  | 47                                                  | 49                                                      | 47                                                       |
| 189                   | 91                   | 27                   | 39                                     | 45                                                          | 46                                                | 46                                                         | 48                                                 | 49                                                 | 47                                                  | 47                                                  | 49                                                      | 48                                                       |
| 190                   | 91                   | 48                   | 39                                     | 45                                                          | 45                                                | 44                                                         | 47                                                 | 49                                                 | 48                                                  | 48                                                  | 49                                                      | 47                                                       |
| 191                   | 92                   | 9                    | 38                                     | 44                                                          | 44                                                | 44                                                         | 48                                                 | 49                                                 | 47                                                  | 48                                                  | 48                                                      | 47                                                       |
| 192                   | 92                   | 30                   | 38                                     | 43                                                          | 43                                                | 43                                                         | 48                                                 | 49                                                 | 47                                                  | 48                                                  | 48                                                      | 47                                                       |
| 193                   | 92                   | 52                   | 39                                     | 42                                                          | 42                                                | 42                                                         | 48                                                 | 48                                                 | 46                                                  | 46                                                  | 48                                                      | 46                                                       |
| 194                   | 93                   | 13                   | 39                                     | 41                                                          | 41                                                | 41                                                         | 47                                                 | 48                                                 | 46                                                  | 47                                                  | 48                                                      | 46                                                       |
| 195                   | 93                   | 34                   | 39                                     | 42                                                          | 42                                                | 42                                                         | 48                                                 | 48                                                 | 46                                                  | 46                                                  | 48                                                      | 47                                                       |
| 196                   | 93                   | 55                   | 39                                     | 42                                                          | 42                                                | 42                                                         | 48                                                 | 48                                                 | 46                                                  | 46                                                  | 48                                                      | 48                                                       |
| 197                   | 94                   | 16                   | 40                                     | 41                                                          | 42                                                | 42                                                         | 47                                                 | 48                                                 | 46                                                  | 46                                                  | 48                                                      | 48                                                       |
| 198                   | 94                   | 8                    | 39                                     | 40                                                          | 41                                                | 41                                                         | 46                                                 | 48                                                 | 45                                                  | 45                                                  | 48                                                      | 46                                                       |
| 199                   | 94                   | 58                   | 39                                     | 41                                                          | 41                                                | 41                                                         | 46                                                 | 48                                                 | 45                                                  | 45                                                  | 48                                                      | 46                                                       |
| 200                   | 95                   | 20                   | 40                                     | 41                                                          | 42                                                | 42                                                         | 47                                                 | 48                                                 | 45                                                  | 45                                                  | 48                                                      | 46                                                       |
| 201                   | 95                   | 41                   | 39                                     | 41                                                          | 41                                                | 41                                                         | 47                                                 | 48                                                 | 45                                                  | 45                                                  | 48                                                      | 46                                                       |
| 202                   | 96                   | 3                    | 40                                     | 41                                                          | 41                                                | 41                                                         | 47                                                 | 48                                                 | 45                                                  | 45                                                  | 48                                                      | 46                                                       |
| 203                   | 96                   | 24                   | 39                                     | 41                                                          | 41                                                | 41                                                         | 47                                                 | 48                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                       |
| 204                   | 96                   | 45                   | 39                                     | 41                                                          | 42                                                | 42                                                         | 47                                                 | 48                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                       |
| 205                   | 97                   | 7                    | 39                                     | 40                                                          | 42                                                | 41                                                         | 47                                                 | 47                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                       |
| 206                   | 97                   | 28                   | 40                                     | 40                                                          | 42                                                | 41                                                         | 48                                                 | 48                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                       |
| 207                   | 97                   | 49                   | 40                                     | 40                                                          | 41                                                | 41                                                         | 47                                                 | 47                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                       |
| 208                   | 98                   | 8                    | 40                                     | 41                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                       |
| 209                   | 98                   | 32                   | 41                                     | 40                                                          | 42                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 210                   | 98                   | 53                   | 40                                     | 40                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 211                   | 99                   | 14                   | 39                                     | 41                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 212                   | 99                   | 36                   | 40                                     | 40                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 213                   | 99                   | 57                   | 40                                     | 39                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 214                   | 100                  | 18                   | 40                                     | 40                                                          | 41                                                | 41                                                         | 47                                                 | 46                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                       |
| 215                   | 100                  | 40                   | 40                                     | 40                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 216                   | 101                  | 1                    | 40                                     | 40                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 217                   | 101                  | 22                   | 40                                     | 40                                                          | 41                                                | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 218                   | 101                  | 44                   | 39                                     | 39                                                          | 41                                                | 40                                                         | 45                                                 | 45                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 219                   | 102                  | 5                    | 39                                     | 39                                                          | 41                                                | 40                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 220                   | 102                  | 26                   | 38                                     | 39                                                          | 41                                                | 39                                                         | 45                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 221                   | 102                  | 48                   | 39                                     | 39                                                          | 40                                                | 40                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 222                   | 103                  | 9                    | 36                                     | 39                                                          | 41                                                | 40                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 223                   | 103                  | 31                   | 39                                     | 39                                                          | 40                                                | 40                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 224                   | 103                  | 52                   | 39                                     | 39                                                          | 40                                                | 40                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 225                   | 104                  | 14                   | 40                                     | 39                                                          | 41                                                | 40                                                         | 46                                                 | 46                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |
| 226                   | 104                  | 35                   | 39                                     | 39                                                          | 41                                                | 40                                                         | 47                                                 | 47                                                 | 44                                                  | 44                                                  | 46                                                      | 46                                                       |

| 3-01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DUCT<br>OUTLET<br>FCKPIT<br>L-S-1<br>DEG.C | 3-10<br>DUCT<br>OUTLET<br>FCKPIT<br>R-S-1<br>DEG.C | 3-11<br>DUCT<br>OUTLET<br>STAR60<br>-470RS<br>DEG.C | 3-12<br>DUCT<br>OUTLET<br>STAR60<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 227                    | 104                  | 56                   | 40                                    | 39                                                         | 41                                                         | 40                                                         | 47                                                 | 46                                                 | 44                                                  | 44                                                  | 47                                                      | 45                                                      |
| 228                    | 105                  | 17                   | 40                                    | 39                                                         | 41                                                         | 40                                                         | 46                                                 | 47                                                 | 44                                                  | 44                                                  | 47                                                      | 45                                                      |
| 229                    | 105                  | 39                   | 40                                    | 40                                                         | 41                                                         | 40                                                         | 46                                                 | 47                                                 | 44                                                  | 44                                                  | 47                                                      | 45                                                      |
| 230                    | 106                  | 57                   | 40                                    | 39                                                         | 40                                                         | 40                                                         | 45                                                 | 47                                                 | 44                                                  | 44                                                  | 47                                                      | 46                                                      |
| 231                    | 106                  | 21                   | 39                                    | 39                                                         | 41                                                         | 41                                                         | 45                                                 | 47                                                 | 44                                                  | 45                                                  | 47                                                      | 46                                                      |
| 232                    | 106                  | 43                   | 39                                    | 39                                                         | 41                                                         | 40                                                         | 45                                                 | 48                                                 | 44                                                  | 44                                                  | 48                                                      | 46                                                      |
| 233                    | 107                  | 4                    | 40                                    | 39                                                         | 40                                                         | 41                                                         | 44                                                 | 47                                                 | 44                                                  | 44                                                  | 47                                                      | 46                                                      |
| 234                    | 107                  | 25                   | 40                                    | 40                                                         | 41                                                         | 40                                                         | 44                                                 | 46                                                 | 44                                                  | 44                                                  | 47                                                      | 46                                                      |
| 235                    | 107                  | 47                   | 39                                    | 39                                                         | 41                                                         | 40                                                         | 44                                                 | 46                                                 | 44                                                  | 44                                                  | 47                                                      | 46                                                      |
| 236                    | 108                  | 8                    | 39                                    | 39                                                         | 40                                                         | 40                                                         | 44                                                 | 46                                                 | 44                                                  | 44                                                  | 47                                                      | 46                                                      |
| 237                    | 108                  | 29                   | 39                                    | 39                                                         | 41                                                         | 40                                                         | 45                                                 | 46                                                 | 44                                                  | 44                                                  | 47                                                      | 46                                                      |
| 238                    | 108                  | 51                   | 39                                    | 40                                                         | 41                                                         | 40                                                         | 45                                                 | 46                                                 | 44                                                  | 44                                                  | 47                                                      | 46                                                      |
| 239                    | 109                  | 12                   | 40                                    | 39                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                      |
| 240                    | 109                  | 34                   | 39                                    | 39                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                      |
| 241                    | 109                  | 55                   | 39                                    | 40                                                         | 41                                                         | 40                                                         | 45                                                 | 46                                                 | 45                                                  | 45                                                  | 47                                                      | 46                                                      |
| 242                    | 110                  | 16                   | 40                                    | 39                                                         | 41                                                         | 41                                                         | 44                                                 | 49                                                 | 43                                                  | 43                                                  | 48                                                      | 46                                                      |
| 243                    | 110                  | 38                   | 40                                    | 39                                                         | 41                                                         | 40                                                         | 45                                                 | 46                                                 | 44                                                  | 42                                                  | 48                                                      | 46                                                      |
| 244                    | 110                  | 59                   | 40                                    | 40                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 44                                                  | 42                                                  | 48                                                      | 46                                                      |
| 245                    | 111                  | 20                   | 39                                    | 40                                                         | 41                                                         | 40                                                         | 44                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 46                                                      |
| 246                    | 111                  | 42                   | 40                                    | 39                                                         | 41                                                         | 41                                                         | 44                                                 | 46                                                 | 44                                                  | 43                                                  | 47                                                      | 46                                                      |
| 247                    | 112                  | 3                    | 40                                    | 40                                                         | 41                                                         | 41                                                         | 44                                                 | 46                                                 | 43                                                  | 42                                                  | 47                                                      | 46                                                      |
| 248                    | 112                  | 24                   | 40                                    | 40                                                         | 41                                                         | 40                                                         | 44                                                 | 46                                                 | 43                                                  | 42                                                  | 47                                                      | 46                                                      |
| 249                    | 112                  | 45                   | 41                                    | 39                                                         | 41                                                         | 41                                                         | 44                                                 | 46                                                 | 43                                                  | 43                                                  | 48                                                      | 47                                                      |
| 250                    | 113                  | 7                    | 40                                    | 40                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 251                    | 113                  | 28                   | 40                                    | 40                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 252                    | 113                  | 49                   | 41                                    | 40                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 253                    | 114                  | 11                   | 41                                    | 40                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 254                    | 114                  | 32                   | 41                                    | 41                                                         | 42                                                         | 41                                                         | 45                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 255                    | 114                  | 53                   | 41                                    | 41                                                         | 41                                                         | 41                                                         | 45                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 256                    | 115                  | 14                   | 41                                    | 42                                                         | 41                                                         | 42                                                         | 46                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 257                    | 115                  | 35                   | 41                                    | 41                                                         | 41                                                         | 41                                                         | 46                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 258                    | 115                  | 56                   | 41                                    | 41                                                         | 41                                                         | 42                                                         | 46                                                 | 46                                                 | 44                                                  | 43                                                  | 48                                                      | 47                                                      |
| 259                    | 116                  | 17                   | 41                                    | 40                                                         | 42                                                         | 41                                                         | 45                                                 | 45                                                 | 44                                                  | 42                                                  | 48                                                      | 47                                                      |
| 260                    | 116                  | 38                   | 40                                    | 41                                                         | 41                                                         | 41                                                         | 45                                                 | 45                                                 | 44                                                  | 42                                                  | 48                                                      | 47                                                      |
| 261                    | 116                  | 59                   | 38                                    | 40                                                         | 41                                                         | 40                                                         | 45                                                 | 45                                                 | 42                                                  | 42                                                  | 48                                                      | 47                                                      |
| 262                    | 117                  | 21                   | 36                                    | 39                                                         | 41                                                         | 39                                                         | 44                                                 | 44                                                 | 41                                                  | 41                                                  | 48                                                      | 47                                                      |
| 263                    | 117                  | 42                   | 35                                    | 38                                                         | 39                                                         | 38                                                         | 44                                                 | 44                                                 | 40                                                  | 40                                                  | 48                                                      | 47                                                      |
| 264                    | 118                  | 3                    | 34                                    | 38                                                         | 38                                                         | 38                                                         | 44                                                 | 44                                                 | 39                                                  | 39                                                  | 48                                                      | 47                                                      |
| 265                    | 118                  | 24                   | 33                                    | 37                                                         | 37                                                         | 37                                                         | 44                                                 | 44                                                 | 41                                                  | 41                                                  | 48                                                      | 47                                                      |
| 266                    | 119                  | 45                   | 33                                    | 37                                                         | 36                                                         | 36                                                         | 44                                                 | 44                                                 | 40                                                  | 40                                                  | 48                                                      | 47                                                      |
| 267                    | 119                  | 6                    | 34                                    | 36                                                         | 36                                                         | 36                                                         | 43                                                 | 43                                                 | 40                                                  | 40                                                  | 48                                                      | 47                                                      |
| 268                    | 119                  | 27                   | 35                                    | 36                                                         | 36                                                         | 36                                                         | 43                                                 | 43                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 269                    | 119                  | 48                   | 35                                    | 36                                                         | 36                                                         | 36                                                         | 43                                                 | 44                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 270                    | 120                  | 9                    | 35                                    | 36                                                         | 36                                                         | 36                                                         | 43                                                 | 44                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 271                    | 120                  | 30                   | 35                                    | 36                                                         | 36                                                         | 36                                                         | 42                                                 | 43                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 272                    | 121                  | 51                   | 35                                    | 36                                                         | 36                                                         | 36                                                         | 42                                                 | 43                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 273                    | 121                  | 12                   | 36                                    | 36                                                         | 37                                                         | 36                                                         | 43                                                 | 43                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 274                    | 121                  | 33                   | 36                                    | 36                                                         | 37                                                         | 36                                                         | 42                                                 | 43                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 275                    | 121                  | 54                   | 36                                    | 36                                                         | 38                                                         | 36                                                         | 42                                                 | 43                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |
| 276                    | 122                  | 15                   | 37                                    | 36                                                         | 38                                                         | 36                                                         | 42                                                 | 43                                                 | 41                                                  | 42                                                  | 48                                                      | 47                                                      |



| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>WATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPT)<br>(L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPT)<br>(R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 277                   | 122                  | 36                   | 40                                    | 39                                                         | 39                                                         | 38                                                        | 42                                                           | 42                                                           | 42                                                           | 42                                                           | 42                                                      | 42                                                       |
| 278                   | 122                  | 57                   | 40                                    | 39                                                         | 39                                                         | 39                                                        | 43                                                           | 43                                                           | 42                                                           | 42                                                           | 42                                                      | 43                                                       |
| 279                   | 123                  | 16                   | 40                                    | 39                                                         | 39                                                         | 39                                                        | 42                                                           | 42                                                           | 42                                                           | 42                                                           | 42                                                      | 42                                                       |
| 280                   | 123                  | 39                   | 39                                    | 39                                                         | 39                                                         | 39                                                        | 41                                                           | 41                                                           | 41                                                           | 41                                                           | 41                                                      | 41                                                       |
| 281                   | 124                  | 0                    | 38                                    | 38                                                         | 39                                                         | 38                                                        | 42                                                           | 42                                                           | 41                                                           | 41                                                           | 42                                                      | 41                                                       |
| 282                   | 124                  | 21                   | 39                                    | 38                                                         | 39                                                         | 38                                                        | 42                                                           | 42                                                           | 41                                                           | 41                                                           | 42                                                      | 43                                                       |
| 283                   | 124                  | 42                   | 39                                    | 38                                                         | 39                                                         | 38                                                        | 42                                                           | 42                                                           | 42                                                           | 41                                                           | 42                                                      | 42                                                       |
| 284                   | 125                  | 4                    | 39                                    | 39                                                         | 39                                                         | 38                                                        | 43                                                           | 43                                                           | 41                                                           | 41                                                           | 42                                                      | 42                                                       |
| 285                   | 125                  | 25                   | 39                                    | 38                                                         | 39                                                         | 38                                                        | 43                                                           | 43                                                           | 41                                                           | 41                                                           | 42                                                      | 42                                                       |
| 286                   | 125                  | 46                   | 39                                    | 38                                                         | 39                                                         | 38                                                        | 43                                                           | 44                                                           | 41                                                           | 40                                                           | 42                                                      | 42                                                       |
| 287                   | 126                  | 7                    | 38                                    | 38                                                         | 39                                                         | 39                                                        | 44                                                           | 43                                                           | 40                                                           | 39                                                           | 42                                                      | 42                                                       |
| 288                   | 126                  | 26                   | 38                                    | 38                                                         | 38                                                         | 38                                                        | 44                                                           | 43                                                           | 40                                                           | 41                                                           | 42                                                      | 42                                                       |
| 289                   | 126                  | 49                   | 38                                    | 38                                                         | 39                                                         | 38                                                        | 44                                                           | 44                                                           | 40                                                           | 40                                                           | 42                                                      | 42                                                       |
| 290                   | 127                  | 10                   | 37                                    | 38                                                         | 38                                                         | 38                                                        | 43                                                           | 44                                                           | 39                                                           | 39                                                           | 42                                                      | 42                                                       |
| 291                   | 127                  | 31                   | 37                                    | 38                                                         | 38                                                         | 38                                                        | 44                                                           | 44                                                           | 40                                                           | 40                                                           | 42                                                      | 41                                                       |
| 292                   | 127                  | 52                   | 37                                    | 37                                                         | 38                                                         | 37                                                        | 44                                                           | 42                                                           | 39                                                           | 40                                                           | 42                                                      | 41                                                       |
| 293                   | 128                  | 13                   | 38                                    | 38                                                         | 39                                                         | 38                                                        | 44                                                           | 42                                                           | 41                                                           | 42                                                           | 42                                                      | 42                                                       |
| 294                   | 128                  | 32                   | 38                                    | 38                                                         | 39                                                         | 39                                                        | 44                                                           | 44                                                           | 42                                                           | 42                                                           | 42                                                      | 43                                                       |
| 295                   | 128                  | 53                   | 38                                    | 40                                                         | 38                                                         | 39                                                        | 44                                                           | 44                                                           | 42                                                           | 43                                                           | 42                                                      | 42                                                       |
| 296                   | 129                  | 15                   | 40                                    | 37                                                         | 40                                                         | 38                                                        | 44                                                           | 42                                                           | 41                                                           | 41                                                           | 43                                                      | 42                                                       |
| 297                   | 129                  | 36                   | 40                                    | 38                                                         | 39                                                         | 39                                                        | 43                                                           | 42                                                           | 41                                                           | 41                                                           | 42                                                      | 42                                                       |
| 298                   | 129                  | 57                   | 39                                    | 38                                                         | 39                                                         | 38                                                        | 43                                                           | 42                                                           | 41                                                           | 40                                                           | 42                                                      | 42                                                       |
| 299                   | 130                  | 8                    | 39                                    | 38                                                         | 39                                                         | 39                                                        | 42                                                           | 42                                                           | 41                                                           | 41                                                           | 42                                                      | 42                                                       |
| 300                   | 130                  | 39                   | 39                                    | 38                                                         | 39                                                         | 39                                                        | 43                                                           | 43                                                           | 41                                                           | 41                                                           | 42                                                      | 42                                                       |
| 301                   | 131                  | 1                    | 39                                    | 40                                                         | 39                                                         | 39                                                        | 43                                                           | 43                                                           | 41                                                           | 40                                                           | 42                                                      | 42                                                       |
| 302                   | 131                  | 22                   | 39                                    | 40                                                         | 39                                                         | 39                                                        | 43                                                           | 43                                                           | 42                                                           | 41                                                           | 42                                                      | 43                                                       |
| 303                   | 131                  | 43                   | 39                                    | 38                                                         | 39                                                         | 39                                                        | 43                                                           | 42                                                           | 41                                                           | 41                                                           | 42                                                      | 42                                                       |
| 304                   | 132                  | 4                    | 38                                    | 39                                                         | 40                                                         | 39                                                        | 44                                                           | 42                                                           | 41                                                           | 41                                                           | 42                                                      | 44                                                       |
| 305                   | 132                  | 25                   | 38                                    | 38                                                         | 39                                                         | 40                                                        | 44                                                           | 42                                                           | 42                                                           | 42                                                           | 41                                                      | 43                                                       |
| 306                   | 132                  | 46                   | 39                                    | 38                                                         | 40                                                         | 39                                                        | 44                                                           | 42                                                           | 41                                                           | 41                                                           | 42                                                      | 43                                                       |
| 307                   | 133                  | 7                    | 40                                    | 38                                                         | 39                                                         | 39                                                        | 44                                                           | 42                                                           | 42                                                           | 42                                                           | 43                                                      | 43                                                       |
| 308                   | 133                  | 29                   | 41                                    | 38                                                         | 40                                                         | 39                                                        | 44                                                           | 42                                                           | 42                                                           | 41                                                           | 42                                                      | 42                                                       |
| 309                   | 133                  | 50                   | 41                                    | 39                                                         | 40                                                         | 39                                                        | 44                                                           | 42                                                           | 43                                                           | 44                                                           | 42                                                      | 43                                                       |
| 310                   | 134                  | 11                   | 41                                    | 40                                                         | 40                                                         | 40                                                        | 44                                                           | 42                                                           | 43                                                           | 44                                                           | 42                                                      | 44                                                       |
| 311                   | 134                  | 32                   | 41                                    | 39                                                         | 40                                                         | 40                                                        | 44                                                           | 42                                                           | 42                                                           | 42                                                           | 43                                                      | 44                                                       |
| 312                   | 134                  | 53                   | 41                                    | 38                                                         | 40                                                         | 39                                                        | 44                                                           | 42                                                           | 43                                                           | 44                                                           | 43                                                      | 44                                                       |
| 313                   | 135                  | 14                   | 41                                    | 39                                                         | 40                                                         | 40                                                        | 43                                                           | 42                                                           | 44                                                           | 46                                                           | 43                                                      | 44                                                       |
| 314                   | 135                  | 36                   | 41                                    | 40                                                         | 40                                                         | 40                                                        | 43                                                           | 42                                                           | 45                                                           | 45                                                           | 43                                                      | 44                                                       |
| 315                   | 135                  | 57                   | 41                                    | 39                                                         | 41                                                         | 40                                                        | 43                                                           | 42                                                           | 44                                                           | 44                                                           | 42                                                      | 44                                                       |
| 316                   | 136                  | 18                   | 41                                    | 39                                                         | 41                                                         | 40                                                        | 43                                                           | 44                                                           | 44                                                           | 44                                                           | 43                                                      | 43                                                       |
| 317                   | 136                  | 39                   | 41                                    | 39                                                         | 40                                                         | 41                                                        | 43                                                           | 42                                                           | 44                                                           | 43                                                           | 43                                                      | 43                                                       |
| 318                   | 137                  | 0                    | 41                                    | 39                                                         | 41                                                         | 41                                                        | 43                                                           | 43                                                           | 44                                                           | 43                                                           | 43                                                      | 42                                                       |
| 319                   | 137                  | 22                   | 41                                    | 40                                                         | 41                                                         | 41                                                        | 43                                                           | 42                                                           | 44                                                           | 42                                                           | 43                                                      | 42                                                       |
| 320                   | 137                  | 43                   | 41                                    | 41                                                         | 41                                                         | 41                                                        | 43                                                           | 42                                                           | 44                                                           | 42                                                           | 43                                                      | 42                                                       |
| 321                   | 138                  | 6                    | 41                                    | 41                                                         | 41                                                         | 41                                                        | 43                                                           | 42                                                           | 44                                                           | 42                                                           | 43                                                      | 42                                                       |
| 322                   | 138                  | 26                   | 41                                    | 41                                                         | 42                                                         | 42                                                        | 43                                                           | 43                                                           | 43                                                           | 43                                                           | 43                                                      | 42                                                       |
| 323                   | 138                  | 47                   | 42                                    | 41                                                         | 41                                                         | 42                                                        | 43                                                           | 43                                                           | 44                                                           | 44                                                           | 43                                                      | 44                                                       |
| 324                   | 139                  | 8                    | 42                                    | 42                                                         | 42                                                         | 42                                                        | 44                                                           | 44                                                           | 44                                                           | 44                                                           | 44                                                      | 44                                                       |
| 325                   | 139                  | 29                   | 43                                    | 42                                                         | 42                                                         | 42                                                        | 44                                                           | 44                                                           | 45                                                           | 45                                                           | 44                                                      | 45                                                       |
| 326                   | 139                  | 50                   | 43                                    | 42                                                         | 41                                                         | 42                                                        | 44                                                           | 44                                                           | 45                                                           | 46                                                           | 44                                                      | 45                                                       |

|                       |                      |                      |                                       |                                                            |                                                            |                                                            |                                                             |                                                             |                                                              |                                                              |                                                         |                                                          |
|-----------------------|----------------------|----------------------|---------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| -01<br>SWEET<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-05<br>HEATER<br>TEMP<br>IN<br>DEG.C | 3-06<br>HEATER<br>PLENUM<br>CHMBER<br>TEMP<br>OUT<br>DEG.C | 3-07<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>LS FWD<br>DEG.C | 3-08<br>HEATER<br>MAIN<br>DIST.<br>DUCT<br>RS FWD<br>DEG.C | 3-09<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>L.S.)<br>DEG.C | 3-10<br>DIST.<br>DUCT<br>OUTLET<br>(CKPIT<br>R.S.)<br>DEG.C | 3-11<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-470RS<br>DEG.C | 3-12<br>DIST.<br>DUCT<br>OUTLET<br>STAN60<br>-470LS<br>DEG.C | 3-13<br>PILOTS<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-14<br>PILOTS<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C |
| 327                   | 140                  | 11                   | 44                                    | 41                                                         | 42                                                         | 42                                                         | 44                                                          | 44                                                          | 46                                                           | 46                                                           | 44                                                      | 45                                                       |
| 328                   | 140                  | 33                   | 44                                    | 42                                                         | 42                                                         | 42                                                         | 44                                                          | 44                                                          | 45                                                           | 46                                                           | 44                                                      | 45                                                       |

HH-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SLEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>WAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FOOT<br>MASS<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|
| 32                    | 32                   | 14                   | 62                                               | 60                                                      | 59                                               | 54                                                | 52                                                      | 55                                               | 50                                                     | 49                                                      | 46                                                     | 47                                                             |
| 33                    | 32                   | 35                   | *                                                | *                                                       | 69                                               | 54                                                | 52                                                      | 56                                               | 59                                                     | 49                                                      | 46                                                     | 48                                                             |
| 34                    | 32                   | 57                   | 62                                               | 59                                                      | 69                                               | 54                                                | 52                                                      | 55                                               | 59                                                     | 49                                                      | 46                                                     | 47                                                             |
| 35                    | 34                   | 40                   | 64                                               | 61                                                      | 70                                               | 55                                                | 53                                                      | 57                                               | 61                                                     | 51                                                      | 46                                                     | 48                                                             |
| 36                    | 35                   | 14                   | *                                                | *                                                       | *                                                | *                                                 | *                                                       | *                                                | *                                                      | *                                                       | *                                                      | *                                                              |
| 37                    | 37                   | 37                   | 58                                               | 57                                                      | 56                                               | 45                                                | 47                                                      | 51                                               | 51                                                     | 46                                                      | 42                                                     | 45                                                             |
| 38                    | 37                   | 58                   | 58                                               | 57                                                      | 59                                               | 46                                                | 48                                                      | 52                                               | 51                                                     | 44                                                      | 42                                                     | 45                                                             |
| 39                    | 38                   | 20                   | 58                                               | 58                                                      | 59                                               | 45                                                | 47                                                      | 52                                               | 51                                                     | 44                                                      | 42                                                     | 45                                                             |
| 40                    | 38                   | 41                   | 55                                               | 56                                                      | 53                                               | 45                                                | 46                                                      | 51                                               | 49                                                     | 44                                                      | 42                                                     | 44                                                             |
| 41                    | 39                   | 3                    | 55                                               | 55                                                      | 44                                               | 44                                                | 47                                                      | 51                                               | 46                                                     | 44                                                      | 42                                                     | 45                                                             |
| 42                    | 39                   | 24                   | 55                                               | 55                                                      | 45                                               | 44                                                | 48                                                      | 51                                               | 48                                                     | 44                                                      | 42                                                     | 44                                                             |
| 43                    | 39                   | 40                   | 55                                               | 55                                                      | 46                                               | 44                                                | 46                                                      | 51                                               | 48                                                     | 44                                                      | 42                                                     | 44                                                             |
| 44                    | 40                   | 54                   | 56                                               | 55                                                      | 49                                               | 44                                                | 45                                                      | 50                                               | 49                                                     | 45                                                      | 42                                                     | 44                                                             |
| 45                    | 40                   | 29                   | 56                                               | 55                                                      | 52                                               | 43                                                | 45                                                      | 51                                               | 49                                                     | 44                                                      | 42                                                     | 45                                                             |
| 46                    | 40                   | 50                   | 56                                               | 55                                                      | 51                                               | 43                                                | 44                                                      | 50                                               | 44                                                     | 44                                                      | 42                                                     | 44                                                             |
| 47                    | 41                   | 12                   | 55                                               | 55                                                      | 49                                               | 44                                                | 45                                                      | 50                                               | 48                                                     | 44                                                      | 42                                                     | 44                                                             |
| 48                    | 41                   | 33                   | 53                                               | 55                                                      | 48                                               | 44                                                | 45                                                      | 50                                               | 48                                                     | 44                                                      | 42                                                     | 44                                                             |
| 49                    | 41                   | 55                   | 52                                               | 54                                                      | 48                                               | 44                                                | 45                                                      | 50                                               | 48                                                     | 44                                                      | 42                                                     | 45                                                             |
| 50                    | 42                   | 16                   | 52                                               | 56                                                      | 48                                               | 44                                                | 46                                                      | 50                                               | 48                                                     | 44                                                      | 42                                                     | 44                                                             |
| 51                    | 42                   | 38                   | 54                                               | 56                                                      | 46                                               | 43                                                | 46                                                      | 49                                               | 47                                                     | 44                                                      | 42                                                     | 44                                                             |
| 52                    | 42                   | 59                   | 55                                               | 55                                                      | 50                                               | 43                                                | 45                                                      | 49                                               | 46                                                     | 42                                                      | 42                                                     | 43                                                             |
| 53                    | 43                   | 20                   | 53                                               | 55                                                      | 49                                               | 43                                                | 45                                                      | 49                                               | 48                                                     | 42                                                      | 42                                                     | 44                                                             |
| 54                    | 43                   | 43                   | 54                                               | 54                                                      | 46                                               | 44                                                | 46                                                      | 48                                               | 45                                                     | 42                                                      | 42                                                     | 44                                                             |
| 55                    | 44                   | 3                    | 55                                               | 54                                                      | 51                                               | 43                                                | 42                                                      | 47                                               | 44                                                     | 41                                                      | 42                                                     | 44                                                             |
| 56                    | 44                   | 25                   | 54                                               | 55                                                      | 50                                               | 44                                                | 46                                                      | 50                                               | 44                                                     | 42                                                      | 42                                                     | 44                                                             |
| 57                    | 44                   | 46                   | 54                                               | 55                                                      | 50                                               | 43                                                | 44                                                      | 48                                               | 44                                                     | 41                                                      | 41                                                     | 44                                                             |
| 58                    | 45                   | 6                    | 54                                               | 55                                                      | 51                                               | 43                                                | 45                                                      | 48                                               | 44                                                     | 42                                                      | 41                                                     | 44                                                             |
| 59                    | 45                   | 23                   | 54                                               | 55                                                      | 51                                               | 44                                                | 44                                                      | 48                                               | 43                                                     | 41                                                      | 41                                                     | 44                                                             |
| 60                    | 45                   | 51                   | 54                                               | 55                                                      | 52                                               | 44                                                | 44                                                      | 48                                               | 43                                                     | 42                                                      | 42                                                     | 43                                                             |
| 61                    | 46                   | 12                   | 55                                               | 58                                                      | 51                                               | 45                                                | 48                                                      | 51                                               | 47                                                     | 44                                                      | 44                                                     | 47                                                             |
| 62                    | 46                   | 33                   | 56                                               | 59                                                      | 45                                               | 46                                                | 48                                                      | 52                                               | 48                                                     | 45                                                      | 44                                                     | 47                                                             |
| 63                    | 46                   | 55                   | 56                                               | 60                                                      | 47                                               | 46                                                | 48                                                      | 52                                               | 47                                                     | 45                                                      | 44                                                     | 47                                                             |
| 64                    | 47                   | 16                   | 55                                               | 60                                                      | 44                                               | 47                                                | 49                                                      | 52                                               | 48                                                     | 46                                                      | 44                                                     | 47                                                             |
| 65                    | 47                   | 37                   | 55                                               | 60                                                      | 48                                               | 47                                                | 49                                                      | 53                                               | 48                                                     | 45                                                      | 45                                                     | 47                                                             |
| 66                    | 47                   | 58                   | 55                                               | 61                                                      | 48                                               | 46                                                | 49                                                      | 52                                               | 48                                                     | 46                                                      | 45                                                     | 48                                                             |
| 67                    | 48                   | 19                   | 54                                               | 61                                                      | 47                                               | 46                                                | 48                                                      | 53                                               | 48                                                     | 45                                                      | 44                                                     | 48                                                             |
| 68                    | 48                   | 40                   | 54                                               | 60                                                      | 45                                               | 47                                                | 49                                                      | 53                                               | 48                                                     | 46                                                      | 44                                                     | 48                                                             |
| 69                    | 49                   | 1                    | 52                                               | 60                                                      | 45                                               | 47                                                | 49                                                      | 52                                               | 48                                                     | 45                                                      | 44                                                     | 48                                                             |
| 70                    | 49                   | 22                   | 52                                               | 61                                                      | 45                                               | 48                                                | 49                                                      | 52                                               | 48                                                     | 45                                                      | 44                                                     | 48                                                             |
| 71                    | 49                   | 43                   | 52                                               | 60                                                      | 44                                               | 48                                                | 49                                                      | 52                                               | 47                                                     | 45                                                      | 44                                                     | 47                                                             |
| 72                    | 50                   | 4                    | 52                                               | 59                                                      | 44                                               | 48                                                | 49                                                      | 52                                               | 47                                                     | 45                                                      | 45                                                     | 48                                                             |
| 73                    | 50                   | 25                   | 53                                               | 59                                                      | 46                                               | 48                                                | 49                                                      | 53                                               | 48                                                     | 45                                                      | 45                                                     | 48                                                             |
| 74                    | 50                   | 47                   | 53                                               | 59                                                      | 46                                               | 48                                                | 49                                                      | 53                                               | 48                                                     | 45                                                      | 45                                                     | 48                                                             |
| 75                    | 51                   | 8                    | 54                                               | 59                                                      | 48                                               | 48                                                | 49                                                      | 53                                               | 48                                                     | 45                                                      | 45                                                     | 48                                                             |
| 76                    | 51                   | 29                   | 53                                               | 59                                                      | 48                                               | 46                                                | 48                                                      | 53                                               | 48                                                     | 46                                                      | 44                                                     | 47                                                             |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FOOT<br>MASS<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>HAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FOOT<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>HAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FOOT<br>MASS<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------|---------------------------------------------------------|
| 77                    | 51                   | 50                   | 54                                                      | 59                                              | 49                                                      | 47                                                       | 48                                                      | 52                                      | 48                                              | 45                                               | 44                                              | 40                                                      |
| 78                    | 52                   | 11                   | 53                                                      | 59                                              | 48                                                      | 46                                                       | 49                                                      | 52                                      | 48                                              | 45                                               | 44                                              | 48                                                      |
| 79                    | 52                   | 32                   | 53                                                      | 59                                              | 48                                                      | 46                                                       | 49                                                      | 52                                      | 48                                              | 45                                               | 44                                              | 48                                                      |
| 80                    | 52                   | 53                   | 54                                                      | 60                                              | 47                                                      | 46                                                       | 49                                                      | 52                                      | 48                                              | 45                                               | 45                                              | 46                                                      |
| 81                    | 53                   | 14                   | 54                                                      | 59                                              | 47                                                      | 47                                                       | 48                                                      | 53                                      | 48                                              | 45                                               | 45                                              | 47                                                      |
| 82                    | 53                   | 35                   | 53                                                      | 59                                              | 46                                                      | 47                                                       | 49                                                      | 53                                      | 48                                              | 45                                               | 44                                              | 46                                                      |
| 83                    | 53                   | 57                   | 53                                                      | 59                                              | 47                                                      | 47                                                       | 49                                                      | 51                                      | 48                                              | 45                                               | 44                                              | 47                                                      |
| 84                    | 54                   | 18                   | 53                                                      | 59                                              | 49                                                      | 46                                                       | 48                                                      | 52                                      | 48                                              | 45                                               | 44                                              | 46                                                      |
| 85                    | 54                   | 39                   | 53                                                      | 59                                              | 49                                                      | 46                                                       | 48                                                      | 52                                      | 48                                              | 45                                               | 44                                              | 46                                                      |
| 86                    | 55                   | 0                    | 54                                                      | 59                                              | 49                                                      | 46                                                       | 48                                                      | 52                                      | 48                                              | 45                                               | 44                                              | 46                                                      |
| 87                    | 55                   | 21                   | 54                                                      | 60                                              | 50                                                      | 44                                                       | 46                                                      | 52                                      | 48                                              | 45                                               | 44                                              | 46                                                      |
| 88                    | 55                   | 42                   | 54                                                      | 60                                              | 50                                                      | 45                                                       | 47                                                      | 51                                      | 45                                              | 44                                               | 43                                              | 46                                                      |
| 89                    | 56                   | 3                    | 54                                                      | 59                                              | 48                                                      | 45                                                       | 46                                                      | 51                                      | 45                                              | 44                                               | 43                                              | 46                                                      |
| 90                    | 56                   | 24                   | 54                                                      | 59                                              | 49                                                      | 45                                                       | 47                                                      | 52                                      | 45                                              | 45                                               | 43                                              | 46                                                      |
| 91                    | 56                   | 45                   | 54                                                      | 60                                              | 49                                                      | 45                                                       | 47                                                      | 50                                      | 47                                              | 46                                               | 43                                              | 47                                                      |
| 92                    | 57                   | 6                    | 52                                                      | 58                                              | 47                                                      | 45                                                       | 47                                                      | 51                                      | 42                                              | 44                                               | 42                                              | 46                                                      |
| 93                    | 57                   | 28                   | 52                                                      | 58                                              | 45                                                      | 44                                                       | 46                                                      | 51                                      | 44                                              | 44                                               | 42                                              | 46                                                      |
| 94                    | 57                   | 46                   | 52                                                      | 57                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 43                                              | 42                                               | 42                                              | 46                                                      |
| 95                    | 58                   | 9                    | 52                                                      | 56                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 96                    | 58                   | 30                   | 53                                                      | 56                                              | 44                                                      | 44                                                       | 47                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 97                    | 58                   | 51                   | 52                                                      | 57                                              | 44                                                      | 44                                                       | 48                                                      | 52                                      | 43                                              | 43                                               | 42                                              | 46                                                      |
| 98                    | 59                   | 12                   | 52                                                      | 57                                              | 44                                                      | 45                                                       | 48                                                      | 53                                      | 44                                              | 43                                               | 42                                              | 48                                                      |
| 99                    | 59                   | 33                   | 52                                                      | 55                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 100                   | 59                   | 54                   | 52                                                      | 55                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 101                   | 60                   | 15                   | 52                                                      | 55                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 102                   | 60                   | 36                   | 51                                                      | 55                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 103                   | 60                   | 57                   | 51                                                      | 55                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 104                   | 61                   | 18                   | 51                                                      | 55                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 105                   | 61                   | 39                   | 51                                                      | 55                                              | 44                                                      | 43                                                       | 46                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 106                   | 62                   | 1                    | 50                                                      | 55                                              | 45                                                      | 42                                                       | 44                                                      | 50                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 107                   | 62                   | 19                   | 49                                                      | 54                                              | 44                                                      | 43                                                       | 45                                                      | 51                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 108                   | 62                   | 43                   | 49                                                      | 53                                              | 42                                                      | 42                                                       | 45                                                      | 49                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 109                   | 63                   | 4                    | 50                                                      | 53                                              | 43                                                      | 42                                                       | 45                                                      | 49                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 110                   | 63                   | 26                   | 51                                                      | 53                                              | 44                                                      | 44                                                       | 45                                                      | 49                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 111                   | 63                   | 47                   | 51                                                      | 53                                              | 45                                                      | 46                                                       | 46                                                      | 49                                      | 42                                              | 42                                               | 42                                              | 46                                                      |
| 112                   | 64                   | 8                    | 52                                                      | 53                                              | 49                                                      | 48                                                       | 48                                                      | 45                                      | 48                                              | 48                                               | 44                                              | 45                                                      |
| 113                   | 64                   | 29                   | 52                                                      | 54                                              | 51                                                      | 50                                                       | 49                                                      | 48                                      | 49                                              | 49                                               | 44                                              | 45                                                      |
| 114                   | 64                   | 51                   | 52                                                      | 55                                              | 51                                                      | 50                                                       | 49                                                      | 48                                      | 51                                              | 51                                               | 44                                              | 45                                                      |
| 115                   | 65                   | 12                   | 52                                                      | 55                                              | 51                                                      | 50                                                       | 49                                                      | 48                                      | 51                                              | 51                                               | 44                                              | 45                                                      |
| 116                   | 65                   | 33                   | 52                                                      | 55                                              | 51                                                      | 49                                                       | 48                                                      | 48                                      | 46                                              | 46                                               | 44                                              | 45                                                      |
| 117                   | 65                   | 54                   | 53                                                      | 56                                              | 50                                                      | 49                                                       | 48                                                      | 48                                      | 44                                              | 44                                               | 44                                              | 45                                                      |
| 118                   | 66                   | 16                   | 52                                                      | 56                                              | 51                                                      | 48                                                       | 48                                                      | 48                                      | 44                                              | 44                                               | 44                                              | 45                                                      |
| 119                   | 66                   | 37                   | 53                                                      | 56                                              | 51                                                      | 48                                                       | 48                                                      | 48                                      | 43                                              | 42                                               | 44                                              | 45                                                      |
| 120                   | 67                   | 58                   | 53                                                      | 56                                              | 49                                                      | 47                                                       | 48                                                      | 48                                      | 42                                              | 42                                               | 42                                              | 45                                                      |
| 121                   | 67                   | 0                    | 52                                                      | 55                                              | 48                                                      | 47                                                       | 48                                                      | 48                                      | 42                                              | 42                                               | 42                                              | 45                                                      |
| 122                   | 67                   | 41                   | 52                                                      | 55                                              | 48                                                      | 48                                                       | 48                                                      | 48                                      | 42                                              | 42                                               | 42                                              | 45                                                      |
| 123                   | 68                   | 23                   | 52                                                      | 55                                              | 48                                                      | 48                                                       | 48                                                      | 48                                      | 42                                              | 42                                               | 42                                              | 45                                                      |
| 124                   | 68                   | 45                   | 52                                                      | 55                                              | 48                                                      | 47                                                       | 48                                                      | 48                                      | 42                                              | 42                                               | 42                                              | 45                                                      |
| 125                   | 69                   | 6                    | 52                                                      | 54                                              | 48                                                      | 47                                                       | 48                                                      | 48                                      | 42                                              | 42                                               | 42                                              | 45                                                      |
| 126                   | 69                   | 6                    | 52                                                      | 54                                              | 48                                                      | 47                                                       | 48                                                      | 48                                      | 42                                              | 42                                               | 42                                              | 45                                                      |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLY<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLY<br>MAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLY<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLY<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>MAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------|--------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 127                   | 69                   | 27                   | 52                                                      | 58                                                      | 48                                                      | 47                                                       | 48                                                      | 50                                      | 44                                                     | 42                                               | 42                                                     | 47                                                     |
| 128                   | 69                   | 40                   | 51                                                      | 55                                                      | 48                                                      | 47                                                       | 48                                                      | 49                                      | 43                                                     | 42                                               | 42                                                     | 47                                                     |
| 129                   | 70                   | 31                   | 52                                                      | 56                                                      | 49                                                      | 46                                                       | 48                                                      | 49                                      | 43                                                     | 44                                               | 43                                                     | 46                                                     |
| 130                   | 70                   | 31                   | 52                                                      | 56                                                      | 47                                                      | 46                                                       | 47                                                      | 50                                      | 44                                                     | 44                                               | 43                                                     | 46                                                     |
| 131                   | 71                   | 52                   | 51                                                      | 54                                                      | 47                                                      | 45                                                       | 47                                                      | 49                                      | 42                                                     | 41                                               | 42                                                     | 45                                                     |
| 132                   | 71                   | 13                   | 51                                                      | 55                                                      | 46                                                      | 45                                                       | 48                                                      | 48                                      | 42                                                     | 42                                               | 42                                                     | 45                                                     |
| 133                   | 71                   | 35                   | 51                                                      | 56                                                      | 46                                                      | 46                                                       | 48                                                      | 48                                      | 42                                                     | 44                                               | 42                                                     | 45                                                     |
| 134                   | 71                   | 56                   | 51                                                      | 56                                                      | 46                                                      | 46                                                       | 48                                                      | 48                                      | 44                                                     | 44                                               | 43                                                     | 44                                                     |
| 135                   | 72                   | 17                   | 51                                                      | 56                                                      | 47                                                      | 46                                                       | 48                                                      | 49                                      | 44                                                     | 44                                               | 42                                                     | 44                                                     |
| 136                   | 72                   | 34                   | 50                                                      | 56                                                      | 46                                                      | 46                                                       | 48                                                      | 49                                      | 43                                                     | 43                                               | 42                                                     | 46                                                     |
| 137                   | 73                   | 6                    | 50                                                      | 56                                                      | 46                                                      | 46                                                       | 48                                                      | 49                                      | 42                                                     | 42                                               | 42                                                     | 46                                                     |
| 138                   | 73                   | 21                   | 50                                                      | 54                                                      | 46                                                      | 46                                                       | 47                                                      | 49                                      | 42                                                     | 41                                               | 42                                                     | 45                                                     |
| 139                   | 73                   | 42                   | 50                                                      | 54                                                      | 46                                                      | 46                                                       | 48                                                      | 49                                      | 44                                                     | 44                                               | 44                                                     | 45                                                     |
| 140                   | 74                   | 3                    | 51                                                      | 53                                                      | 46                                                      | 46                                                       | 46                                                      | 50                                      | 44                                                     | 44                                               | 43                                                     | 45                                                     |
| 141                   | 74                   | 25                   | 50                                                      | 54                                                      | 45                                                      | 46                                                       | 47                                                      | 49                                      | 42                                                     | 42                                               | 42                                                     | 45                                                     |
| 142                   | 74                   | 46                   | 50                                                      | 54                                                      | 45                                                      | 46                                                       | 47                                                      | 49                                      | 42                                                     | 42                                               | 42                                                     | 45                                                     |
| 143                   | 75                   | 7                    | 50                                                      | 52                                                      | 45                                                      | 45                                                       | 46                                                      | 48                                      | 41                                                     | 42                                               | 42                                                     | 45                                                     |
| 144                   | 75                   | 28                   | 49                                                      | 53                                                      | 45                                                      | 45                                                       | 47                                                      | 49                                      | 41                                                     | 42                                               | 42                                                     | 45                                                     |
| 145                   | 75                   | 50                   | 49                                                      | 53                                                      | 45                                                      | 46                                                       | 47                                                      | 49                                      | 43                                                     | 43                                               | 43                                                     | 45                                                     |
| 146                   | 76                   | 11                   | 50                                                      | 54                                                      | 45                                                      | 46                                                       | 47                                                      | 49                                      | 43                                                     | 43                                               | 42                                                     | 45                                                     |
| 147                   | 76                   | 32                   | 50                                                      | 54                                                      | 45                                                      | 46                                                       | 47                                                      | 48                                      | 45                                                     | 45                                               | 44                                                     | 45                                                     |
| 148                   | 76                   | 53                   | 50                                                      | 54                                                      | 45                                                      | 46                                                       | 47                                                      | 49                                      | 45                                                     | 46                                               | 45                                                     | 45                                                     |
| 149                   | 77                   | 15                   | 45                                                      | 52                                                      | 46                                                      | 46                                                       | 46                                                      | 49                                      | 45                                                     | 44                                               | 45                                                     | 45                                                     |
| 150                   | 77                   | 35                   | 49                                                      | 54                                                      | 46                                                      | 46                                                       | 46                                                      | 49                                      | 45                                                     | 44                                               | 45                                                     | 45                                                     |
| 151                   | 77                   | 57                   | 49                                                      | 54                                                      | 46                                                      | 46                                                       | 46                                                      | 49                                      | 45                                                     | 44                                               | 45                                                     | 45                                                     |
| 152                   | 78                   | 18                   | 49                                                      | 51                                                      | 45                                                      | 45                                                       | 46                                                      | 49                                      | 42                                                     | 42                                               | 42                                                     | 46                                                     |
| 153                   | 78                   | 40                   | 50                                                      | 51                                                      | 46                                                      | 45                                                       | 46                                                      | 48                                      | 42                                                     | 42                                               | 42                                                     | 46                                                     |
| 154                   | 79                   | 1                    | 49                                                      | 52                                                      | 46                                                      | 45                                                       | 46                                                      | 49                                      | 41                                                     | 42                                               | 42                                                     | 45                                                     |
| 155                   | 79                   | 22                   | 49                                                      | 53                                                      | 46                                                      | 45                                                       | 46                                                      | 49                                      | 41                                                     | 41                                               | 41                                                     | 45                                                     |
| 156                   | 79                   | 43                   | 49                                                      | 54                                                      | 47                                                      | 46                                                       | 47                                                      | 49                                      | 41                                                     | 41                                               | 41                                                     | 45                                                     |
| 157                   | 80                   | 5                    | 49                                                      | 52                                                      | 46                                                      | 45                                                       | 46                                                      | 49                                      | 44                                                     | 44                                               | 42                                                     | 46                                                     |
| 158                   | 80                   | 26                   | 49                                                      | 55                                                      | 46                                                      | 45                                                       | 46                                                      | 49                                      | 44                                                     | 44                                               | 42                                                     | 46                                                     |
| 159                   | 80                   | 47                   | 50                                                      | 52                                                      | 47                                                      | 45                                                       | 46                                                      | 49                                      | 44                                                     | 44                                               | 42                                                     | 46                                                     |
| 160                   | 81                   | 8                    | 49                                                      | 56                                                      | 46                                                      | 44                                                       | 45                                                      | 49                                      | 43                                                     | 44                                               | 42                                                     | 46                                                     |
| 161                   | 81                   | 30                   | 49                                                      | 52                                                      | 45                                                      | 44                                                       | 46                                                      | 48                                      | 42                                                     | 42                                               | 42                                                     | 44                                                     |
| 162                   | 81                   | 51                   | 50                                                      | 55                                                      | 45                                                      | 45                                                       | 46                                                      | 49                                      | 42                                                     | 42                                               | 42                                                     | 44                                                     |
| 163                   | 82                   | 13                   | 49                                                      | 53                                                      | 45                                                      | 45                                                       | 46                                                      | 49                                      | 46                                                     | 47                                               | 44                                                     | 45                                                     |
| 164                   | 82                   | 34                   | 49                                                      | 53                                                      | 45                                                      | 45                                                       | 46                                                      | 49                                      | 46                                                     | 47                                               | 44                                                     | 45                                                     |
| 165                   | 82                   | 55                   | 49                                                      | 54                                                      | 49                                                      | 45                                                       | 46                                                      | 49                                      | 44                                                     | 44                                               | 43                                                     | 46                                                     |
| 166                   | 83                   | 17                   | 49                                                      | 53                                                      | 47                                                      | 45                                                       | 46                                                      | 49                                      | 43                                                     | 43                                               | 42                                                     | 46                                                     |
| 167                   | 83                   | 38                   | 49                                                      | 54                                                      | 46                                                      | 45                                                       | 46                                                      | 49                                      | 43                                                     | 44                                               | 42                                                     | 46                                                     |
| 168                   | 83                   | 59                   | 49                                                      | 54                                                      | 46                                                      | 46                                                       | 46                                                      | 49                                      | 43                                                     | 44                                               | 42                                                     | 46                                                     |
| 169                   | 84                   | 21                   | 49                                                      | 52                                                      | 47                                                      | 47                                                       | 46                                                      | 49                                      | 43                                                     | 43                                               | 42                                                     | 46                                                     |
| 170                   | 85                   | 42                   | 49                                                      | 53                                                      | 47                                                      | 47                                                       | 46                                                      | 49                                      | 43                                                     | 43                                               | 42                                                     | 46                                                     |
| 171                   | 85                   | 3                    | 49                                                      | 51                                                      | 49                                                      | 48                                                       | 47                                                      | 49                                      | 43                                                     | 43                                               | 42                                                     | 46                                                     |
| 172                   | 85                   | 25                   | 50                                                      | 52                                                      | 48                                                      | 48                                                       | 47                                                      | 49                                      | 43                                                     | 43                                               | 42                                                     | 46                                                     |
| 173                   | 85                   | 46                   | 51                                                      | 52                                                      | 48                                                      | 49                                                       | 47                                                      | 49                                      | 46                                                     | 48                                               | 46                                                     | 46                                                     |
| 174                   | 86                   | 7                    | 50                                                      | 51                                                      | 48                                                      | 49                                                       | 48                                                      | 49                                      | 46                                                     | 48                                               | 46                                                     | 46                                                     |
| 175                   | 86                   | 29                   | 50                                                      | 52                                                      | 49                                                      | 48                                                       | 48                                                      | 49                                      | 50                                                     | 51                                               | 50                                                     | 47                                                     |
| 176                   | 86                   | 50                   | 49                                                      | 52                                                      | 49                                                      | 48                                                       | 48                                                      | 49                                      | 52                                                     | 52                                               | 50                                                     | 48                                                     |
|                       |                      |                      |                                                         |                                                         | 49                                                      | 48                                                       | 48                                                      |                                         | 53                                                     | 49                                               | 49                                                     |                                                        |
|                       |                      |                      |                                                         |                                                         | 49                                                      | 48                                                       | 48                                                      |                                         | 53                                                     | 49                                               | 49                                                     |                                                        |

| -61<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS |      |      | 3-16<br>PILOTS |      |      | 3-17<br>CO-PLT |             |                | 3-18<br>CO-PLT |               |      | 3-19<br>CO-PLT |               |             | 3-20<br>CO-PLT |      |      | 3-21<br>CARGO |             |               | 3-22<br>CARGO |      |               | 3-23<br>CARGO |               |      | 3-24<br>CARGO |  |  |
|-----------------------|----------------------|----------------------|----------------|------|------|----------------|------|------|----------------|-------------|----------------|----------------|---------------|------|----------------|---------------|-------------|----------------|------|------|---------------|-------------|---------------|---------------|------|---------------|---------------|---------------|------|---------------|--|--|
|                       |                      |                      | FOOT<br>LEVEL  | MASS | TEMP | FOOT<br>LEVEL  | MASS | TEMP | HEAD<br>LEVEL  | AIR<br>TEMP | WAIST<br>LEVEL | AIR<br>TEMP    | FOOT<br>LEVEL | MASS | TEMP           | HEAD<br>LEVEL | AIR<br>TEMP | FOOT<br>LEVEL  | MASS | TEMP | HEAD<br>LEVEL | AIR<br>TEMP | FOOT<br>LEVEL | MASS          | TEMP | HEAD<br>LEVEL | AIR<br>TEMP   | FOOT<br>LEVEL | MASS | TEMP          |  |  |
| 177                   | 87                   | 12                   | 50             | 53   | 43   | 48             | 49   | 49   | 49             | 49          | 51             | 49             | 51            | 49   | 49             | 49            | 49          | 49             | 49   | 49   | 49            | 49          | 49            | 49            | 49   | 49            | 49            | 49            | 49   |               |  |  |
| 178                   | 87                   | 33                   | 49             | 51   | 51   | 48             | 49   | 49   | 49             | 49          | 51             | 49             | 51            | 49   | 49             | 49            | 49          | 49             | 49   | 49   | 49            | 49          | 49            | 49            | 49   | 49            | 49            | 49            | 49   |               |  |  |
| 179                   | 87                   | 55                   | 50             | 52   | 49   | 49             | 49   | 49   | 49             | 49          | 50             | 50             | 50            | 50   | 50             | 50            | 50          | 50             | 50   | 50   | 50            | 50          | 50            | 50            | 50   | 50            | 50            | 50            | 50   |               |  |  |
| 180                   | 88                   | 16                   | 51             | 51   | 50   | 49             | 49   | 49   | 49             | 49          | 51             | 51             | 51            | 51   | 51             | 51            | 51          | 51             | 51   | 51   | 51            | 51          | 51            | 51            | 51   | 51            | 51            | 51            | 51   |               |  |  |
| 181                   | 88                   | 37                   | 50             | 52   | 49   | 49             | 49   | 49   | 49             | 49          | 51             | 51             | 51            | 51   | 51             | 51            | 51          | 51             | 51   | 51   | 51            | 51          | 51            | 51            | 51   | 51            | 51            | 51            | 51   |               |  |  |
| 182                   | 88                   | 59                   | 49             | 52   | 43   | 49             | 49   | 49   | 49             | 49          | 50             | 50             | 50            | 50   | 50             | 50            | 50          | 50             | 50   | 50   | 50            | 50          | 50            | 50            | 50   | 50            | 50            | 50            | 50   |               |  |  |
| 183                   | 89                   | 20                   | 50             | 51   | 51   | 48             | 49   | 49   | 49             | 49          | 51             | 51             | 51            | 51   | 51             | 51            | 51          | 51             | 51   | 51   | 51            | 51          | 51            | 51            | 51   | 51            | 51            | 51            | 51   |               |  |  |
| 184                   | 89                   | 41                   | 51             | 52   | 51   | 49             | 49   | 49   | 49             | 49          | 51             | 51             | 51            | 51   | 51             | 51            | 51          | 51             | 51   | 51   | 51            | 51          | 51            | 51            | 51   | 51            | 51            | 51            | 51   |               |  |  |
| 185                   | 90                   | 3                    | 50             | 52   | 50   | 48             | 49   | 49   | 49             | 49          | 51             | 51             | 51            | 51   | 51             | 51            | 51          | 51             | 51   | 51   | 51            | 51          | 51            | 51            | 51   | 51            | 51            | 51            | 51   |               |  |  |
| 186                   | 90                   | 24                   | 50             | 55   | 49   | 47             | 47   | 47   | 47             | 47          | 51             | 51             | 51            | 51   | 51             | 51            | 51          | 51             | 51   | 51   | 51            | 51          | 51            | 51            | 51   | 51            | 51            | 51            | 51   |               |  |  |
| 187                   | 90                   | 45                   | 50             | 55   | 49   | 48             | 48   | 48   | 48             | 48          | 51             | 51             | 51            | 51   | 51             | 51            | 51          | 51             | 51   | 51   | 51            | 51          | 51            | 51            | 51   | 51            | 51            | 51            | 51   |               |  |  |
| 188                   | 91                   | 6                    | 50             | 56   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 189                   | 91                   | 27                   | 49             | 51   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 190                   | 91                   | 48                   | 49             | 51   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 191                   | 92                   | 9                    | 49             | 51   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 192                   | 92                   | 30                   | 49             | 51   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 193                   | 92                   | 52                   | 49             | 51   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 194                   | 93                   | 13                   | 49             | 51   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 195                   | 93                   | 34                   | 49             | 52   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 196                   | 93                   | 55                   | 50             | 52   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 197                   | 94                   | 16                   | 49             | 55   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 198                   | 94                   | 36                   | 49             | 56   | 49   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 199                   | 94                   | 58                   | 48             | 54   | 48   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 200                   | 95                   | 20                   | 48             | 54   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 201                   | 95                   | 41                   | 49             | 53   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 202                   | 96                   | 3                    | 49             | 53   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 203                   | 96                   | 24                   | 49             | 54   | 48   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 204                   | 96                   | 45                   | 48             | 54   | 48   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 205                   | 97                   | 7                    | 48             | 52   | 48   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 206                   | 97                   | 28                   | 48             | 52   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 207                   | 97                   | 49                   | 48             | 53   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 208                   | 98                   | 7                    | 48             | 53   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 209                   | 98                   | 32                   | 48             | 53   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 210                   | 98                   | 53                   | 48             | 53   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 211                   | 99                   | 14                   | 48             | 54   | 48   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 212                   | 99                   | 36                   | 48             | 54   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 213                   | 99                   | 57                   | 48             | 54   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 214                   | 100                  | 18                   | 47             | 50   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 215                   | 100                  | 40                   | 48             | 50   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 216                   | 101                  | 1                    | 47             | 51   | 47   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 217                   | 101                  | 22                   | 47             | 51   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 218                   | 101                  | 44                   | 47             | 51   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 219                   | 102                  | 5                    | 47             | 51   | 45   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 220                   | 102                  | 26                   | 47             | 51   | 45   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 221                   | 102                  | 48                   | 46             | 51   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 222                   | 103                  | 9                    | 47             | 51   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 223                   | 103                  | 31                   | 47             | 51   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 224                   | 103                  | 52                   | 47             | 51   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 225                   | 104                  | 14                   | 46             | 53   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |
| 226                   | 104                  | 35                   | 47             | 54   | 46   | 46             | 46   | 46   | 46             | 46          | 52             | 52             | 52            | 52   | 52             | 52            | 52          | 52             | 52   | 52   | 52            | 52          | 52            | 52            | 52   | 52            | 52            | 52            | 52   |               |  |  |

| -01<br>S-SEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-16<br>PILOTS<br>FLOOR<br>MASS<br>AIR<br>TEMP<br>DEG.C | 3-17<br>CO-PLT<br>HEAD<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-18<br>CO-PLT<br>WAIST<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-19<br>CO-PLT<br>FOOT<br>LEVEL<br>AIR<br>TEMP<br>DEG.C | 3-20<br>CO-PLT<br>FLOOR<br>MASS<br>TEMP<br>DEG.C | 3-21<br>CARGO<br>AREA<br>FWD<br>HEAD<br>LEVEL<br>DEG.C | 3-22<br>CARGO<br>AREA<br>FWD<br>MAIST<br>LEVEL<br>DEG.C | 3-23<br>CARGO<br>AREA<br>FWD<br>FOOT<br>LEVEL<br>DEG.C | 3-24<br>CARGO<br>AREA<br>FWD<br>FOOT<br>MASS<br>LEVEL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|
| 227                   | 104                  | 56                   | 46                                                      | 52                                                      | 47                                                      | 45                                                       | 48                                                      | 48                                               | 41                                                     | 40                                                      | 41                                                     | 45                                                             |
| 228                   | 105                  | 17                   | 46                                                      | 52                                                      | 45                                                      | 45                                                       | 48                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 45                                                             |
| 229                   | 105                  | 57                   | 46                                                      | 52                                                      | 44                                                      | 45                                                       | 48                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 230                   | 106                  | 57                   | 46                                                      | 51                                                      | 45                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 42                                                      | 42                                                     | 45                                                             |
| 231                   | 106                  | 21                   | 47                                                      | 51                                                      | 48                                                      | 44                                                       | 47                                                      | 48                                               | 42                                                     | 41                                                      | 41                                                     | 44                                                             |
| 232                   | 106                  | 43                   | 47                                                      | 52                                                      | 44                                                      | 43                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 233                   | 107                  | 4                    | 47                                                      | 51                                                      | 44                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 234                   | 107                  | 25                   | 46                                                      | 52                                                      | 46                                                      | 44                                                       | 46                                                      | 49                                               | 41                                                     | 41                                                      | 41                                                     | 45                                                             |
| 235                   | 107                  | 47                   | 46                                                      | 50                                                      | 46                                                      | 44                                                       | 47                                                      | 46                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 236                   | 108                  | 8                    | 47                                                      | 50                                                      | 45                                                      | 44                                                       | 48                                                      | 48                                               | 42                                                     | 42                                                      | 42                                                     | 44                                                             |
| 237                   | 108                  | 29                   | 47                                                      | 51                                                      | 45                                                      | 45                                                       | 47                                                      | 48                                               | 42                                                     | 41                                                      | 41                                                     | 44                                                             |
| 238                   | 108                  | 51                   | 48                                                      | 51                                                      | 46                                                      | 44                                                       | 46                                                      | 48                                               | 42                                                     | 41                                                      | 41                                                     | 44                                                             |
| 239                   | 109                  | 12                   | 48                                                      | 51                                                      | 47                                                      | 44                                                       | 46                                                      | 48                                               | 42                                                     | 42                                                      | 42                                                     | 45                                                             |
| 240                   | 109                  | 34                   | 46                                                      | 52                                                      | 50                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 45                                                             |
| 241                   | 109                  | 55                   | 46                                                      | 52                                                      | 46                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 242                   | 110                  | 16                   | 47                                                      | 52                                                      | 46                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 45                                                             |
| 243                   | 110                  | 38                   | 47                                                      | 50                                                      | 48                                                      | 45                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 244                   | 110                  | 59                   | 48                                                      | 50                                                      | 51                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 245                   | 111                  | 20                   | 47                                                      | 51                                                      | 46                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 45                                                             |
| 246                   | 111                  | 42                   | 47                                                      | 51                                                      | 46                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 247                   | 112                  | 3                    | 49                                                      | 51                                                      | 46                                                      | 44                                                       | 46                                                      | 49                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 248                   | 112                  | 24                   | 48                                                      | 51                                                      | 48                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 249                   | 112                  | 46                   | 47                                                      | 51                                                      | 45                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 250                   | 113                  | 7                    | 47                                                      | 51                                                      | 46                                                      | 44                                                       | 46                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 251                   | 113                  | 28                   | 47                                                      | 51                                                      | 45                                                      | 44                                                       | 45                                                      | 48                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 252                   | 113                  | 49                   | 48                                                      | 52                                                      | 45                                                      | 46                                                       | 46                                                      | 49                                               | 41                                                     | 42                                                      | 41                                                     | 43                                                             |
| 253                   | 114                  | 11                   | 47                                                      | 52                                                      | 45                                                      | 46                                                       | 46                                                      | 48                                               | 42                                                     | 42                                                      | 43                                                     | 45                                                             |
| 254                   | 114                  | 32                   | 47                                                      | 52                                                      | 45                                                      | 46                                                       | 46                                                      | 48                                               | 42                                                     | 42                                                      | 42                                                     | 45                                                             |
| 255                   | 114                  | 53                   | 47                                                      | 49                                                      | 45                                                      | 46                                                       | 46                                                      | 49                                               | 42                                                     | 41                                                      | 42                                                     | 45                                                             |
| 256                   | 115                  | 14                   | 47                                                      | 51                                                      | 46                                                      | 47                                                       | 46                                                      | 49                                               | 42                                                     | 41                                                      | 42                                                     | 46                                                             |
| 257                   | 115                  | 35                   | 47                                                      | 49                                                      | 46                                                      | 47                                                       | 46                                                      | 46                                               | 42                                                     | 42                                                      | 42                                                     | 46                                                             |
| 258                   | 115                  | 56                   | 46                                                      | 51                                                      | 46                                                      | 48                                                       | 46                                                      | 49                                               | 44                                                     | 44                                                      | 43                                                     | 43                                                             |
| 259                   | 116                  | 17                   | 46                                                      | 49                                                      | 46                                                      | 47                                                       | 46                                                      | 48                                               | 44                                                     | 44                                                      | 43                                                     | 45                                                             |
| 260                   | 116                  | 38                   | 46                                                      | 48                                                      | 46                                                      | 46                                                       | 46                                                      | 48                                               | 44                                                     | 42                                                      | 42                                                     | 44                                                             |
| 261                   | 116                  | 59                   | 46                                                      | 51                                                      | 45                                                      | 46                                                       | 46                                                      | 47                                               | 41                                                     | 41                                                      | 41                                                     | 44                                                             |
| 262                   | 117                  | 21                   | 45                                                      | 51                                                      | 44                                                      | 45                                                       | 46                                                      | 49                                               | 41                                                     | 41                                                      | 42                                                     | 44                                                             |
| 263                   | 117                  | 42                   | 45                                                      | 52                                                      | 44                                                      | 44                                                       | 45                                                      | 49                                               | 40                                                     | 40                                                      | 41                                                     | 45                                                             |
| 264                   | 118                  | 3                    | 46                                                      | 51                                                      | 46                                                      | 44                                                       | 45                                                      | 46                                               | 39                                                     | 39                                                      | 40                                                     | 45                                                             |
| 265                   | 118                  | 24                   | 45                                                      | 50                                                      | 46                                                      | 44                                                       | 45                                                      | 46                                               | 37                                                     | 37                                                      | 39                                                     | 45                                                             |
| 266                   | 119                  | 45                   | 46                                                      | 52                                                      | 44                                                      | 44                                                       | 45                                                      | 48                                               | 38                                                     | 38                                                      | 39                                                     | 45                                                             |
| 267                   | 119                  | 6                    | 46                                                      | 51                                                      | 43                                                      | 44                                                       | 45                                                      | 48                                               | 40                                                     | 40                                                      | 40                                                     | 44                                                             |
| 268                   | 119                  | 27                   | 47                                                      | 51                                                      | 43                                                      | 44                                                       | 45                                                      | 46                                               | 38                                                     | 38                                                      | 39                                                     | 44                                                             |
| 269                   | 119                  | 48                   | 46                                                      | 51                                                      | 44                                                      | 44                                                       | 45                                                      | 46                                               | 38                                                     | 39                                                      | 40                                                     | 44                                                             |
| 270                   | 120                  | 9                    | 46                                                      | 51                                                      | 44                                                      | 44                                                       | 44                                                      | 46                                               | 39                                                     | 39                                                      | 40                                                     | 44                                                             |
| 271                   | 120                  | 30                   | 45                                                      | 48                                                      | 43                                                      | 44                                                       | 44                                                      | 46                                               | 40                                                     | 40                                                      | 40                                                     | 44                                                             |
| 272                   | 120                  | 51                   | 45                                                      | 52                                                      | 43                                                      | 43                                                       | 44                                                      | 49                                               | 39                                                     | 39                                                      | 39                                                     | 44                                                             |
| 273                   | 121                  | 12                   | 45                                                      | 51                                                      | 42                                                      | 42                                                       | 44                                                      | 48                                               | 40                                                     | 40                                                      | 40                                                     | 46                                                             |
| 274                   | 121                  | 33                   | 45                                                      | 50                                                      | 42                                                      | 41                                                       | 44                                                      | 48                                               | 40                                                     | 40                                                      | 40                                                     | 44                                                             |
| 275                   | 121                  | 54                   | 45                                                      | 51                                                      | 41                                                      | 41                                                       | 44                                                      | 47                                               | 40                                                     | 40                                                      | 40                                                     | 46                                                             |
| 276                   | 122                  | 15                   | 45                                                      | 49                                                      | 42                                                      | 42                                                       | 43                                                      | 48                                               | 40                                                     | 40                                                      | 40                                                     | 45                                                             |

| -01<br>SWEET<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-15<br>PILOTS |             |       | 3-16<br>PILOTS |             |       | 3-17<br>CO-PLY |             |       | 3-18<br>CO-PLY |             |       | 3-19<br>CO-PLY |             |       | 3-20<br>CO-PLY |             |       | 3-21<br>CARGO  |             |       | 3-22<br>CARGO  |             |       | 3-23<br>CARGO  |             |       | 3-24<br>CARGO  |             |       |
|-----------------------|----------------------|----------------------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|----------------|-------------|-------|
|                       |                      |                      | FOOT<br>LEVEL  | AIR<br>TEMP | DEG.C | FOOT<br>LEVEL  | AIR<br>TEMP | DEG.C | HEAD<br>LEVEL  | FWD<br>TEMP | DEG.C | MAIST<br>LEVEL | AIR<br>TEMP | DEG.C | MAIST<br>LEVEL | FWD<br>TEMP | DEG.C | MAIST<br>LEVEL | FWD<br>TEMP | DEG.C | MAIST<br>LEVEL | FWD<br>TEMP | DEG.C | MAIST<br>LEVEL | FWD<br>TEMP | DEG.C | MAIST<br>LEVEL | FWD<br>TEMP | DEG.C | MAIST<br>LEVEL | FWD<br>TEMP | DEG.C |
| 277                   | 122                  | 36                   | 45             | 51          | 41    | 42             | 44          | 48    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             |             |       |
| 278                   | 122                  | 57                   | 46             | 49          | 41    | 42             | 44          | 45    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             |             |       |
| 279                   | 123                  | 18                   | 45             | 51          | 42    | 43             | 45          | 46    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             |             |       |
| 280                   | 123                  | 39                   | 45             | 51          | 42    | 43             | 45          | 46    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             | 41          | 41    | 41             |             |       |
| 281                   | 124                  | 0                    | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 282                   | 124                  | 21                   | 45             | 49          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 283                   | 124                  | 42                   | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 284                   | 125                  | 4                    | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 285                   | 125                  | 25                   | 45             | 49          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 286                   | 125                  | 46                   | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 287                   | 126                  | 7                    | 45             | 50          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 288                   | 126                  | 28                   | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 289                   | 126                  | 49                   | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 290                   | 127                  | 10                   | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 291                   | 127                  | 31                   | 46             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 292                   | 127                  | 52                   | 46             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 293                   | 128                  | 13                   | 45             | 49          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 294                   | 128                  | 33                   | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 295                   | 128                  | 53                   | 46             | 49          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 296                   | 129                  | 15                   | 45             | 48          | 43    | 44             | 45          | 46    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             |             |       |
| 297                   | 129                  | 36                   | 45             | 50          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 298                   | 129                  | 57                   | 45             | 50          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 299                   | 130                  | 8                    | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 300                   | 130                  | 39                   | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 301                   | 131                  | 1                    | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 302                   | 131                  | 22                   | 45             | 46          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 303                   | 131                  | 43                   | 45             | 46          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 304                   | 132                  | 4                    | 45             | 49          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 305                   | 132                  | 25                   | 45             | 51          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 306                   | 132                  | 46                   | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 307                   | 133                  | 7                    | 44             | 47          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             |             |       |
| 308                   | 133                  | 29                   | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 309                   | 133                  | 50                   | 45             | 49          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 310                   | 134                  | 11                   | 45             | 45          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             |             |       |
| 311                   | 134                  | 32                   | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 312                   | 134                  | 53                   | 44             | 48          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             |             |       |
| 313                   | 135                  | 14                   | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 314                   | 135                  | 36                   | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 315                   | 135                  | 57                   | 45             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 316                   | 136                  | 18                   | 45             | 46          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             | 43          | 43    | 43             |             |       |
| 317                   | 136                  | 39                   | 44             | 48          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 318                   | 137                  | 0                    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             |             |       |
| 319                   | 137                  | 22                   | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             |             |       |
| 320                   | 137                  | 43                   | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             |             |       |
| 321                   | 138                  | 4                    | 45             | 46          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             | 44          | 44    | 44             |             |       |
| 322                   | 138                  | 26                   | 44             | 45          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 323                   | 138                  | 47                   | 45             | 46          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 324                   | 139                  | 8                    | 45             | 46          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 325                   | 139                  | 29                   | 45             | 46          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |
| 326                   | 139                  | 50                   | 45             | 46          | 42    | 43             | 44          | 45    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             | 42          | 42    | 42             |             |       |





14-57C S/N 60-10364  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>MAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 32                    | 32                   | 14                   | 55                                                     | 50                                                      | 46                                                     | 48                                                     |
| 33                    | 32                   | 35                   | 56                                                     | 51                                                      | 46                                                     | 47                                                     |
| 34                    | 32                   | 57                   | 55                                                     | 50                                                      | 46                                                     | 46                                                     |
| 35                    | 34                   | 48                   | 56                                                     | 51                                                      | 48                                                     | 49                                                     |
| 36                    | 35                   | 14                   | *                                                      | *                                                       | *                                                      | *                                                      |
| 37                    | 37                   | 37                   | 51                                                     | 45                                                      | 44                                                     | 45                                                     |
| 38                    | 37                   | 58                   | *                                                      | 44                                                      | 43                                                     | 45                                                     |
| 39                    | 38                   | 20                   | 50                                                     | 45                                                      | 43                                                     | 45                                                     |
| 40                    | 38                   | 41                   | 50                                                     | 46                                                      | 43                                                     | 45                                                     |
| 41                    | 39                   | 3                    | *                                                      | *                                                       | *                                                      | 45                                                     |
| 42                    | 39                   | 24                   | 49                                                     | 45                                                      | 44                                                     | 45                                                     |
| 43                    | 39                   | 46                   | 49                                                     | 45                                                      | 43                                                     | 44                                                     |
| 44                    | 40                   | 7                    | *                                                      | *                                                       | *                                                      | *                                                      |
| 45                    | 40                   | 29                   | 45                                                     | 45                                                      | 44                                                     | 45                                                     |
| 46                    | 40                   | 50                   | 45                                                     | 44                                                      | 42                                                     | 45                                                     |
| 47                    | 41                   | 12                   | 49                                                     | *                                                       | *                                                      | *                                                      |
| 48                    | 41                   | 33                   | 47                                                     | 44                                                      | 43                                                     | 45                                                     |
| 49                    | 41                   | 55                   | 46                                                     | 44                                                      | 42                                                     | 45                                                     |
| 50                    | 42                   | 16                   | 47                                                     | 45                                                      | 43                                                     | 45                                                     |
| 51                    | 42                   | 38                   | 47                                                     | 46                                                      | 43                                                     | 44                                                     |
| 52                    | 42                   | 59                   | 46                                                     | 45                                                      | 43                                                     | 45                                                     |
| 53                    | 42                   | 20                   | 46                                                     | 45                                                      | 42                                                     | 44                                                     |
| 54                    | 42                   | 42                   | 46                                                     | 45                                                      | 43                                                     | 44                                                     |
| 55                    | 44                   | 3                    | 42                                                     | 42                                                      | 34                                                     | 39                                                     |
| 56                    | 44                   | 25                   | 42                                                     | 40                                                      | 40                                                     | 44                                                     |
| 57                    | 44                   | 46                   | 42                                                     | 40                                                      | 39                                                     | 43                                                     |
| 58                    | 45                   | 8                    | 43                                                     | 42                                                      | 40                                                     | 43                                                     |
| 59                    | 45                   | 29                   | 41                                                     | *                                                       | *                                                      | *                                                      |
| 60                    | 45                   | 51                   | 41                                                     | 41                                                      | 39                                                     | 43                                                     |
| 61                    | 46                   | 12                   | 45                                                     | 45                                                      | 44                                                     | 46                                                     |
| 62                    | 46                   | 33                   | 46                                                     | 45                                                      | 44                                                     | 47                                                     |
| 63                    | 46                   | 55                   | 47                                                     | 45                                                      | 45                                                     | 47                                                     |
| 64                    | 47                   | 16                   | 48                                                     | 46                                                      | 45                                                     | 47                                                     |
| 65                    | 47                   | 37                   | 48                                                     | 47                                                      | 46                                                     | 47                                                     |
| 66                    | 47                   | 58                   | 48                                                     | 48                                                      | 46                                                     | 47                                                     |
| 67                    | 48                   | 13                   | 48                                                     | 48                                                      | 46                                                     | 47                                                     |
| 68                    | 48                   | 40                   | 49                                                     | 47                                                      | 45                                                     | 46                                                     |
| 69                    | 49                   | 1                    | 49                                                     | 47                                                      | 45                                                     | 46                                                     |
| 70                    | 49                   | 22                   | 49                                                     | 47                                                      | 45                                                     | 47                                                     |
| 71                    | 49                   | 43                   | 45                                                     | 47                                                      | 45                                                     | 47                                                     |
| 72                    | 50                   | 4                    | 49                                                     | 48                                                      | 45                                                     | 47                                                     |
| 73                    | 50                   | 25                   | 48                                                     | 47                                                      | 45                                                     | 47                                                     |
| 74                    | 50                   | 47                   | 49                                                     | 46                                                      | 45                                                     | 47                                                     |
| 75                    | 51                   | 8                    | 48                                                     | 47                                                      | 45                                                     | 46                                                     |
| 76                    | 51                   | 29                   | 48                                                     | 46                                                      | 45                                                     | 47                                                     |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 77                    | 51                   | 50                   | 47                                                     | 46                                                      | 45                                                     | 46                                                     |
| 78                    | 52                   | 11                   | 47                                                     | 46                                                      | 45                                                     | 46                                                     |
| 79                    | 52                   | 32                   | 46                                                     | 46                                                      | 45                                                     | 47                                                     |
| 80                    | 52                   | 53                   | 45                                                     | 45                                                      | 45                                                     | 47                                                     |
| 81                    | 53                   | 14                   | 46                                                     | 45                                                      | 45                                                     | 46                                                     |
| 82                    | 53                   | 35                   | 46                                                     | 46                                                      | 45                                                     | 48                                                     |
| 83                    | 53                   | 57                   | 45                                                     | 45                                                      | 45                                                     | 46                                                     |
| 84                    | 54                   | 18                   | 45                                                     | 44                                                      | 44                                                     | 46                                                     |
| 85                    | 54                   | 39                   | 45                                                     | 44                                                      | 44                                                     | 46                                                     |
| 86                    | 55                   | 0                    | 46                                                     | 44                                                      | 44                                                     | 47                                                     |
| 87                    | 55                   | 21                   | 47                                                     | 45                                                      | 45                                                     | 46                                                     |
| 88                    | 55                   | 42                   | 48                                                     | 46                                                      | 45                                                     | 46                                                     |
| 89                    | 56                   | 3                    | 47                                                     | 45                                                      | 45                                                     | 46                                                     |
| 90                    | 56                   | 24                   | 48                                                     | 46                                                      | 45                                                     | 46                                                     |
| 91                    | 56                   | 45                   | 48                                                     | 46                                                      | 45                                                     | 46                                                     |
| 92                    | 57                   | 6                    | 44                                                     | 45                                                      | 44                                                     | 45                                                     |
| 93                    | 57                   | 28                   | 45                                                     | 45                                                      | 45                                                     | 45                                                     |
| 94                    | 57                   | 48                   | 44                                                     | 45                                                      | 45                                                     | 46                                                     |
| 95                    | 58                   | 9                    | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 96                    | 58                   | 30                   | 44                                                     | 44                                                      | 45                                                     | 46                                                     |
| 97                    | 58                   | 51                   | 45                                                     | 45                                                      | 45                                                     | 48                                                     |
| 98                    | 59                   | 12                   | 44                                                     | 45                                                      | 45                                                     | 47                                                     |
| 99                    | 59                   | 33                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 100                   | 59                   | 54                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 101                   | 60                   | 15                   | 44                                                     | 44                                                      | 44                                                     | 45                                                     |
| 102                   | 60                   | 36                   | 44                                                     | 44                                                      | 44                                                     | 45                                                     |
| 103                   | 60                   | 57                   | 43                                                     | 42                                                      | 41                                                     | 42                                                     |
| 104                   | 61                   | 18                   | 44                                                     | 44                                                      | 43                                                     | 45                                                     |
| 105                   | 61                   | 39                   | 44                                                     | 44                                                      | 44                                                     | 45                                                     |
| 106                   | 62                   | 1                    | 44                                                     | 44                                                      | 44                                                     | 45                                                     |
| 107                   | 62                   | 19                   | 43                                                     | 44                                                      | 44                                                     | 45                                                     |
| 108                   | 62                   | 43                   | 43                                                     | 44                                                      | 44                                                     | 45                                                     |
| 109                   | 63                   | 4                    | 43                                                     | 44                                                      | 44                                                     | 45                                                     |
| 110                   | 63                   | 26                   | 44                                                     | 44                                                      | 44                                                     | 45                                                     |
| 111                   | 63                   | 47                   | 48                                                     | 49                                                      | 49                                                     | 45                                                     |
| 112                   | 64                   | 8                    | 46                                                     | 46                                                      | 46                                                     | 45                                                     |
| 113                   | 64                   | 29                   | 46                                                     | 47                                                      | 46                                                     | 45                                                     |
| 114                   | 64                   | 51                   | 54                                                     | 53                                                      | 48                                                     | 45                                                     |
| 115                   | 65                   | 12                   | 50                                                     | 51                                                      | 48                                                     | 45                                                     |
| 116                   | 65                   | 33                   | 49                                                     | 50                                                      | 48                                                     | 45                                                     |
| 117                   | 65                   | 54                   | 49                                                     | 49                                                      | 48                                                     | 46                                                     |
| 118                   | 66                   | 16                   | 48                                                     | 48                                                      | 48                                                     | 46                                                     |
| 119                   | 66                   | 37                   | 45                                                     | 46                                                      | 46                                                     | 46                                                     |
| 120                   | 66                   | 58                   | 45                                                     | 46                                                      | 45                                                     | 46                                                     |
| 121                   | 67                   | 20                   | 44                                                     | 45                                                      | 44                                                     | 46                                                     |
| 122                   | 67                   | 41                   | 45                                                     | 45                                                      | 44                                                     | 46                                                     |
| 123                   | 68                   | 2                    | 44                                                     | 44                                                      | 44                                                     | 45                                                     |
| 124                   | 68                   | 27                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 125                   | 68                   | 45                   | 44                                                     | 44                                                      | 44                                                     | 45                                                     |
| 126                   | 69                   | 6                    | 45                                                     | 44                                                      | 44                                                     | 46                                                     |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>HAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 127                   | 69                   | 27                   | 45                                                     | 44                                                      | 44                                                     | 47                                                     |
| 128                   | 69                   | 48                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 129                   | 70                   | 10                   | 45                                                     | 45                                                      | 44                                                     | 46                                                     |
| 130                   | 70                   | 31                   | 45                                                     | 45                                                      | 44                                                     | 46                                                     |
| 131                   | 70                   | 52                   | 45                                                     | 45                                                      | 44                                                     | 46                                                     |
| 132                   | 71                   | 13                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 133                   | 71                   | 35                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 134                   | 71                   | 56                   | 44                                                     | 44                                                      | 44                                                     | 47                                                     |
| 135                   | 72                   | 17                   | 45                                                     | 45                                                      | 44                                                     | 47                                                     |
| 136                   | 72                   | 38                   | 45                                                     | 45                                                      | 44                                                     | 47                                                     |
| 137                   | 73                   | 0                    | 45                                                     | 45                                                      | 44                                                     | 46                                                     |
| 138                   | 73                   | 21                   | 44                                                     | 45                                                      | 44                                                     | 46                                                     |
| 139                   | 73                   | 42                   | 46                                                     | 46                                                      | 44                                                     | 46                                                     |
| 140                   | 74                   | 3                    | 46                                                     | 46                                                      | 44                                                     | 46                                                     |
| 141                   | 74                   | 25                   | 45                                                     | 44                                                      | 45                                                     | 47                                                     |
| 142                   | 74                   | 46                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 143                   | 75                   | 7                    | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 144                   | 75                   | 28                   | 45                                                     | 44                                                      | 44                                                     | 47                                                     |
| 145                   | 75                   | 50                   | 45                                                     | 45                                                      | 44                                                     | 47                                                     |
| 146                   | 76                   | 11                   | 45                                                     | 44                                                      | 44                                                     | 46                                                     |
| 147                   | 76                   | 32                   | 45                                                     | 44                                                      | 44                                                     | 47                                                     |
| 148                   | 76                   | 53                   | 46                                                     | 45                                                      | 45                                                     | 46                                                     |
| 149                   | 77                   | 15                   | 47                                                     | 46                                                      | 45                                                     | 47                                                     |
| 150                   | 77                   | 36                   | 46                                                     | 46                                                      | 45                                                     | 47                                                     |
| 151                   | 77                   | 57                   | 45                                                     | 46                                                      | 45                                                     | 48                                                     |
| 152                   | 78                   | 18                   | 45                                                     | 46                                                      | 45                                                     | 48                                                     |
| 153                   | 78                   | 40                   | 46                                                     | 45                                                      | 45                                                     | 47                                                     |
| 154                   | 79                   | 1                    | 45                                                     | 44                                                      | 44                                                     | 47                                                     |
| 155                   | 79                   | 22                   | 45                                                     | 44                                                      | 44                                                     | 48                                                     |
| 156                   | 79                   | 43                   | 44                                                     | 44                                                      | 44                                                     | 48                                                     |
| 157                   | 80                   | 5                    | 43                                                     | 44                                                      | 44                                                     | 48                                                     |
| 158                   | 80                   | 26                   | 44                                                     | 44                                                      | 44                                                     | 48                                                     |
| 159                   | 80                   | 47                   | 47                                                     | 46                                                      | 46                                                     | 48                                                     |
| 160                   | 81                   | 6                    | 45                                                     | 46                                                      | 45                                                     | 48                                                     |
| 161                   | 81                   | 30                   | 46                                                     | 45                                                      | 44                                                     | 47                                                     |
| 162                   | 81                   | 51                   | 44                                                     | 44                                                      | 44                                                     | 47                                                     |
| 163                   | 82                   | 13                   | 46                                                     | 45                                                      | 44                                                     | 46                                                     |
| 164                   | 82                   | 34                   | 46                                                     | 47                                                      | 45                                                     | 46                                                     |
| 165                   | 82                   | 55                   | 46                                                     | 46                                                      | 45                                                     | 48                                                     |
| 166                   | 83                   | 17                   | 45                                                     | 46                                                      | 45                                                     | 48                                                     |
| 167                   | 83                   | 38                   | 45                                                     | 44                                                      | 45                                                     | 48                                                     |
| 168                   | 83                   | 59                   | 48                                                     | 48                                                      | 48                                                     | 48                                                     |
| 169                   | 84                   | 21                   | 48                                                     | 49                                                      | 48                                                     | 48                                                     |
| 170                   | 84                   | 42                   | 48                                                     | 48                                                      | 47                                                     | 48                                                     |
| 171                   | 85                   | 3                    | 49                                                     | 49                                                      | 48                                                     | 48                                                     |
| 172                   | 85                   | 25                   | 48                                                     | 49                                                      | 48                                                     | 48                                                     |
| 173                   | 85                   | 46                   | 48                                                     | 50                                                      | 48                                                     | 48                                                     |
| 174                   | 86                   | 7                    | 51                                                     | 51                                                      | 49                                                     | 49                                                     |
| 175                   | 86                   | 29                   | 51                                                     | 51                                                      | 49                                                     | 49                                                     |
| 176                   | 86                   | 50                   | 50                                                     | 50                                                      | 49                                                     | 49                                                     |

| -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 177                   | 87                   | 12                   | 51                                                     | 51                                                      | 49                                                     | 44                                                     |
| 178                   | 87                   | 33                   | 49                                                     | 49                                                      | 49                                                     | 49                                                     |
| 179                   | 87                   | 55                   | 50                                                     | 49                                                      | 49                                                     | 49                                                     |
| 180                   | 88                   | 16                   | 50                                                     | 49                                                      | 49                                                     | 50                                                     |
| 181                   | 88                   | 37                   | 50                                                     | 49                                                      | 49                                                     | 50                                                     |
| 182                   | 88                   | 55                   | 49                                                     | 49                                                      | 49                                                     | 50                                                     |
| 183                   | 89                   | 20                   | 49                                                     | 49                                                      | 50                                                     | 51                                                     |
| 184                   | 89                   | 41                   | 46                                                     | 48                                                      | 48                                                     | 51                                                     |
| 185                   | 90                   | 3                    | 48                                                     | 48                                                      | 47                                                     | 51                                                     |
| 186                   | 90                   | 24                   | 46                                                     | 46                                                      | 45                                                     | 51                                                     |
| 187                   | 90                   | 45                   | 46                                                     | 44                                                      | 45                                                     | 51                                                     |
| 188                   | 91                   | 6                    | 46                                                     | 44                                                      | 44                                                     | 52                                                     |
| 189                   | 91                   | 27                   | 45                                                     | 45                                                      | 44                                                     | 51                                                     |
| 190                   | 91                   | 48                   | 45                                                     | 45                                                      | 44                                                     | 51                                                     |
| 191                   | 92                   | 9                    | 45                                                     | 44                                                      | 44                                                     | 51                                                     |
| 192                   | 92                   | 30                   | 46                                                     | 43                                                      | 43                                                     | 51                                                     |
| 193                   | 92                   | 52                   | 45                                                     | 43                                                      | 43                                                     | 50                                                     |
| 194                   | 93                   | 13                   | 45                                                     | 44                                                      | 44                                                     | 50                                                     |
| 195                   | 93                   | 34                   | 45                                                     | 44                                                      | 44                                                     | 50                                                     |
| 196                   | 93                   | 55                   | 45                                                     | 44                                                      | 44                                                     | 51                                                     |
| 197                   | 94                   | 16                   | 45                                                     | 44                                                      | 44                                                     | 50                                                     |
| 198                   | 94                   | 37                   | 45                                                     | 45                                                      | 44                                                     | 50                                                     |
| 199                   | 94                   | 58                   | 44                                                     | 45                                                      | 44                                                     | 49                                                     |
| 200                   | 95                   | 20                   | 45                                                     | 44                                                      | 44                                                     | 49                                                     |
| 201                   | 95                   | 41                   | 44                                                     | 44                                                      | 44                                                     | 49                                                     |
| 202                   | 96                   | 3                    | 44                                                     | 45                                                      | 44                                                     | 49                                                     |
| 203                   | 96                   | 24                   | 45                                                     | 45                                                      | 44                                                     | 49                                                     |
| 204                   | 96                   | 45                   | 45                                                     | 45                                                      | 45                                                     | 49                                                     |
| 205                   | 97                   | 7                    | 44                                                     | 45                                                      | 44                                                     | 49                                                     |
| 206                   | 97                   | 28                   | 45                                                     | 44                                                      | 44                                                     | 49                                                     |
| 207                   | 97                   | 49                   | 44                                                     | 44                                                      | 44                                                     | 49                                                     |
| 208                   | 97                   | 70                   | 44                                                     | 44                                                      | 44                                                     | 49                                                     |
| 209                   | 98                   | 32                   | 44                                                     | 44                                                      | 44                                                     | 49                                                     |
| 210                   | 98                   | 53                   | 45                                                     | 45                                                      | 44                                                     | 49                                                     |
| 211                   | 99                   | 14                   | 44                                                     | 44                                                      | 44                                                     | 49                                                     |
| 212                   | 99                   | 36                   | 45                                                     | 45                                                      | 44                                                     | 49                                                     |
| 213                   | 99                   | 57                   | 45                                                     | 45                                                      | 44                                                     | 49                                                     |
| 214                   | 100                  | 18                   | 43                                                     | 44                                                      | 45                                                     | 49                                                     |
| 215                   | 100                  | 40                   | 44                                                     | 44                                                      | 44                                                     | 49                                                     |
| 216                   | 101                  | 1                    | 43                                                     | 44                                                      | 44                                                     | 49                                                     |
| 217                   | 101                  | 22                   | 44                                                     | 45                                                      | 44                                                     | 50                                                     |
| 218                   | 101                  | 44                   | 44                                                     | 44                                                      | 44                                                     | 49                                                     |
| 219                   | 102                  | 5                    | 44                                                     | 45                                                      | 43                                                     | 49                                                     |
| 220                   | 102                  | 26                   | 44                                                     | 44                                                      | 43                                                     | 49                                                     |
| 221                   | 102                  | 48                   | 43                                                     | 44                                                      | 44                                                     | 49                                                     |
| 222                   | 103                  | 9                    | 44                                                     | 45                                                      | 44                                                     | 49                                                     |
| 223                   | 103                  | 31                   | 42                                                     | 43                                                      | 43                                                     | 49                                                     |
| 224                   | 103                  | 52                   | 43                                                     | 43                                                      | 43                                                     | 51                                                     |
| 225                   | 104                  | 14                   | 43                                                     | 43                                                      | 44                                                     | 50                                                     |
| 226                   | 104                  | 35                   | 43                                                     | 43                                                      | 43                                                     | 49                                                     |

| -01<br>SHEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>HAIST<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 227                   | 104                  | 56                   | 43                                                     | 44                                                      | 43                                                     | 50                                                     |
| 228                   | 105                  | 17                   | 43                                                     | 43                                                      | 43                                                     | 50                                                     |
| 229                   | 105                  | 39                   | 43                                                     | 43                                                      | 43                                                     | 49                                                     |
| 230                   | •                    | 57                   | 43                                                     | 43                                                      | 43                                                     | 49                                                     |
| 231                   | 106                  | 21                   | *                                                      | 42                                                      | 43                                                     | 50                                                     |
| 232                   | 106                  | 43                   | 42                                                     | 42                                                      | 43                                                     | 49                                                     |
| 233                   | 107                  | 4                    | 43                                                     | 42                                                      | 43                                                     | 49                                                     |
| 234                   | 107                  | 25                   | 43                                                     | 43                                                      | 43                                                     | 49                                                     |
| 235                   | 107                  | 47                   | 42                                                     | 42                                                      | 43                                                     | 49                                                     |
| 236                   | 108                  | 8                    | 43                                                     | 43                                                      | 43                                                     | 49                                                     |
| 237                   | 108                  | 29                   | 44                                                     | 43                                                      | 44                                                     | 49                                                     |
| 238                   | 108                  | 51                   | 43                                                     | 43                                                      | 43                                                     | 49                                                     |
| 239                   | 109                  | 12                   | 43                                                     | 42                                                      | 44                                                     | 49                                                     |
| 240                   | 109                  | 34                   | 43                                                     | 43                                                      | 43                                                     | 48                                                     |
| 241                   | 109                  | 55                   | 41                                                     | 40                                                      | 42                                                     | 49                                                     |
| 242                   | 110                  | 16                   | 42                                                     | 41                                                      | 42                                                     | 48                                                     |
| 243                   | 110                  | 38                   | 42                                                     | 42                                                      | 42                                                     | 48                                                     |
| 244                   | 110                  | 59                   | 42                                                     | 43                                                      | 43                                                     | 48                                                     |
| 245                   | 111                  | 20                   | 43                                                     | 43                                                      | 42                                                     | 48                                                     |
| 246                   | 111                  | 42                   | 42                                                     | 42                                                      | 42                                                     | 48                                                     |
| 247                   | 112                  | 3                    | 41                                                     | 41                                                      | 41                                                     | 48                                                     |
| 248                   | 112                  | 24                   | 41                                                     | 41                                                      | 41                                                     | 47                                                     |
| 249                   | 112                  | 46                   | 42                                                     | 42                                                      | 42                                                     | 47                                                     |
| 250                   | 113                  | 7                    | 43                                                     | 42                                                      | 42                                                     | 46                                                     |
| 251                   | 113                  | 28                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 252                   | 113                  | 49                   | 44                                                     | 44                                                      | 44                                                     | 47                                                     |
| 253                   | 114                  | 11                   | 43                                                     | 44                                                      | 43                                                     | 47                                                     |
| 254                   | 114                  | 32                   | 42                                                     | 44                                                      | 43                                                     | 47                                                     |
| 255                   | 114                  | 53                   | 42                                                     | 44                                                      | 44                                                     | 47                                                     |
| 256                   | 115                  | 14                   | 43                                                     | 44                                                      | 43                                                     | 48                                                     |
| 257                   | 115                  | 35                   | 44                                                     | 44                                                      | 43                                                     | 46                                                     |
| 258                   | 115                  | 56                   | 45                                                     | 45                                                      | 45                                                     | 47                                                     |
| 259                   | 116                  | 17                   | 44                                                     | 44                                                      | 44                                                     | 46                                                     |
| 260                   | 116                  | 38                   | 42                                                     | 42                                                      | 42                                                     | 46                                                     |
| 261                   | 116                  | 59                   | 41                                                     | 40                                                      | 41                                                     | 46                                                     |
| 262                   | 117                  | 21                   | 40                                                     | 39                                                      | 40                                                     | 47                                                     |
| 263                   | 117                  | 42                   | 38                                                     | 38                                                      | 39                                                     | 46                                                     |
| 264                   | 118                  | 3                    | 39                                                     | 38                                                      | 38                                                     | 47                                                     |
| 265                   | 118                  | 24                   | 33                                                     | 38                                                      | 38                                                     | 47                                                     |
| 266                   | 118                  | 45                   | 40                                                     | 39                                                      | 39                                                     | 46                                                     |
| 267                   | 119                  | 6                    | 40                                                     | 39                                                      | 39                                                     | 46                                                     |
| 268                   | 119                  | 27                   | 41                                                     | 39                                                      | 39                                                     | 46                                                     |
| 269                   | 119                  | 48                   | 41                                                     | 40                                                      | 39                                                     | 46                                                     |
| 270                   | 120                  | 9                    | 40                                                     | 40                                                      | 39                                                     | 46                                                     |
| 271                   | 120                  | 30                   | 40                                                     | 40                                                      | 39                                                     | 45                                                     |
| 272                   | 120                  | 51                   | 40                                                     | 39                                                      | 40                                                     | 45                                                     |
| 273                   | 121                  | 12                   | 40                                                     | 40                                                      | 40                                                     | 45                                                     |
| 274                   | 121                  | 33                   | 41                                                     | 41                                                      | 40                                                     | 45                                                     |
| 275                   | 121                  | 54                   | 41                                                     | 41                                                      | 40                                                     | 44                                                     |
| 276                   | 122                  | 15                   | 41                                                     | 40                                                      | 41                                                     | 45                                                     |

| 364 | -01<br>SWEEP<br>COUNT | 3-02<br>TIME<br>MIN. | 3-03<br>TIME<br>SEC. | 3-25<br>CARGO<br>AREA<br>AFT<br>HEAD<br>LEVEL<br>DEG.C | 3-26<br>CARGO<br>AREA<br>AFT<br>WATJY<br>LEVEL<br>DEG.C | 3-27<br>CARGO<br>AREA<br>AFT<br>FOOT<br>LEVEL<br>DEG.C | 3-28<br>CARGO<br>AREA<br>AFT<br>FLOOR<br>MASS<br>DEG.C |
|-----|-----------------------|----------------------|----------------------|--------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| 277 | 122                   | 36                   | 42                   | 41                                                     | 41                                                      | 41                                                     | 45                                                     |
| 278 | 122                   | 57                   | 41                   | 41                                                     | 41                                                      | 41                                                     | 44                                                     |
| 279 | 123                   | 18                   | 41                   | 41                                                     | 42                                                      | 42                                                     | 44                                                     |
| 280 | 123                   | 39                   | 40                   | 41                                                     | 42                                                      | 42                                                     | 44                                                     |
| 281 | 124                   | 0                    | 41                   | 41                                                     | 41                                                      | 41                                                     | 44                                                     |
| 282 | 124                   | 21                   | 41                   | 40                                                     | 41                                                      | 41                                                     | 43                                                     |
| 283 | 124                   | 42                   | 40                   | 41                                                     | 40                                                      | 40                                                     | 44                                                     |
| 284 | 125                   | 4                    | 41                   | 39                                                     | 40                                                      | 40                                                     | 43                                                     |
| 285 | 125                   | 25                   | 40                   | 41                                                     | 41                                                      | 41                                                     | 43                                                     |
| 286 | 125                   | 46                   | 40                   | 40                                                     | 40                                                      | 40                                                     | 43                                                     |
| 287 | 126                   | 7                    | 39                   | 39                                                     | 40                                                      | 40                                                     | 42                                                     |
| 288 | 126                   | 28                   | 40                   | 39                                                     | 39                                                      | 39                                                     | 43                                                     |
| 289 | 126                   | 49                   | 40                   | 39                                                     | 39                                                      | 39                                                     | 42                                                     |
| 290 | 127                   | 10                   | 40                   | 39                                                     | 39                                                      | 39                                                     | 42                                                     |
| 291 | 127                   | 31                   | 39                   | 39                                                     | 39                                                      | 39                                                     | 42                                                     |
| 292 | 127                   | 52                   | 39                   | 39                                                     | 39                                                      | 39                                                     | 42                                                     |
| 293 | 128                   | 13                   | 41                   | 41                                                     | 40                                                      | 40                                                     | 43                                                     |
| 294 | 128                   | 33                   | 42                   | 42                                                     | 41                                                      | 41                                                     | 41                                                     |
| 295 | 128                   | 53                   | 42                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 296 | 129                   | 15                   | 41                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 297 | 129                   | 36                   | 41                   | 41                                                     | 41                                                      | 41                                                     | 41                                                     |
| 298 | 129                   | 57                   | 41                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 299 | "                     | "                    | 41                   | 40                                                     | 41                                                      | 41                                                     | 41                                                     |
| 300 | 130                   | 39                   | 40                   | 40                                                     | 40                                                      | 40                                                     | 41                                                     |
| 301 | 131                   | 1                    | 41                   | 40                                                     | 41                                                      | 41                                                     | 42                                                     |
| 302 | 131                   | 22                   | 41                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 303 | 131                   | 43                   | 41                   | 40                                                     | 41                                                      | 41                                                     | 42                                                     |
| 304 | 132                   | 4                    | 42                   | 42                                                     | 41                                                      | 41                                                     | 42                                                     |
| 305 | 132                   | 25                   | 41                   | 42                                                     | 41                                                      | 41                                                     | 42                                                     |
| 306 | 132                   | 46                   | 41                   | 42                                                     | 41                                                      | 41                                                     | 41                                                     |
| 307 | 133                   | 7                    | 42                   | 42                                                     | 41                                                      | 41                                                     | 41                                                     |
| 308 | 133                   | 29                   | 42                   | 41                                                     | 41                                                      | 41                                                     | 42                                                     |
| 309 | 133                   | 50                   | 43                   | 46                                                     | 42                                                      | 42                                                     | 42                                                     |
| 310 | 134                   | 11                   | 42                   | 43                                                     | 42                                                      | 42                                                     | 42                                                     |
| 311 | 134                   | 32                   | 42                   | 42                                                     | 42                                                      | 43                                                     | 43                                                     |
| 312 | 134                   | 53                   | 48                   | 46                                                     | 43                                                      | 43                                                     | 42                                                     |
| 313 | 135                   | 14                   | 48                   | 46                                                     | 43                                                      | 43                                                     | 43                                                     |
| 314 | 135                   | 36                   | 47                   | 46                                                     | 44                                                      | 44                                                     | 44                                                     |
| 315 | 135                   | 57                   | 45                   | 44                                                     | 43                                                      | 43                                                     | 43                                                     |
| 316 | 136                   | 18                   | 43                   | 43                                                     | 43                                                      | 43                                                     | 43                                                     |
| 317 | 136                   | 39                   | 42                   | 44                                                     | 42                                                      | 42                                                     | 43                                                     |
| 318 | 137                   | 0                    | 42                   | 42                                                     | 42                                                      | 42                                                     | 44                                                     |
| 319 | 137                   | 22                   | 42                   | 43                                                     | 42                                                      | 42                                                     | 42                                                     |
| 320 | 137                   | 43                   | 42                   | 43                                                     | 42                                                      | 42                                                     | 43                                                     |
| 321 | 138                   | 4                    | 42                   | 42                                                     | 42                                                      | 42                                                     | 43                                                     |
| 322 | 138                   | 26                   | 42                   | 43                                                     | 42                                                      | 42                                                     | 44                                                     |
| 323 | 138                   | 47                   | 43                   | 42                                                     | 42                                                      | 42                                                     | 42                                                     |
| 324 | 139                   | 8                    | 44                   | 43                                                     | 42                                                      | 42                                                     | 43                                                     |
| 325 | 139                   | 29                   | 44                   | 43                                                     | 42                                                      | 42                                                     | 42                                                     |
| 326 | 139                   | 50                   | 44                   | 44                                                     | 43                                                      | 42                                                     | 43                                                     |

|      |             |     |     |
|------|-------------|-----|-----|
| 3-28 | CARGO AREA  | 43  | 44  |
| 3-27 | CARGO AREA  | 42  | 43  |
| 3-26 | CARGO AREA  | 43  | 44  |
| 3-25 | CARGO AREA  | 45  | 45  |
| 3-03 | TIME SEC.   | 11  | 33  |
| 3-02 | TIME MIN.   | 149 | 149 |
| 3-01 | SHEEP COUNT | 327 | 328 |



MM-52C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| 4-01<br>L4EEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WINDSH<br>INSIDE<br>UPPER<br>R.H.<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>(COLL.<br>HYD IN<br>TEMP<br>DEG.C |
|------------------------|----------------------|----------------------|----------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|
| 32                     | 32                   | 16                   | 64                                                             | 66                                                           | 78                                                            | 69                                                            | 43                                                       | 75                                                        | 45                                                        | 40                                                       | 44                                                        | 48                                                            |
| 33                     | 32                   | 38                   | 5                                                              | 66                                                           | 78                                                            | 68                                                            | 44                                                       | 45                                                        | 45                                                        | 48                                                       | 44                                                        | 48                                                            |
| 34                     | 32                   | 59                   | 64                                                             | 66                                                           | 79                                                            | 68                                                            | 44                                                       | 45                                                        | 45                                                        | 48                                                       | 44                                                        | 48                                                            |
| 35                     | 34                   | 51                   | 65                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 36                     | 35                   | 17                   | 56                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 37                     | 35                   | 39                   | 56                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 38                     | 38                   | 1                    | 58                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 39                     | 38                   | 22                   | 57                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 40                     | 38                   | 44                   | 53                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 41                     | 39                   | 5                    | 52                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 42                     | 39                   | 27                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 43                     | 39                   | 48                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 44                     | 40                   | 10                   | 53                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 45                     | 40                   | 31                   | 54                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 46                     | 43                   | 31                   | 53                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 47                     | 47                   | 12                   | 52                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 48                     | 41                   | 36                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 49                     | 41                   | 57                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 50                     | 41                   | 49                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 51                     | 42                   | 40                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 52                     | 43                   | 1                    | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 53                     | 43                   | 4                    | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 54                     | 43                   | 43                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 55                     | 44                   | 6                    | 46                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 56                     | 44                   | 49                   | 46                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 57                     | 44                   | 10                   | 52                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 58                     | 45                   | 49                   | 52                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 59                     | 45                   | 45                   | 52                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 60                     | 45                   | 53                   | 52                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 61                     | 46                   | 15                   | 54                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 62                     | 46                   | 47                   | 55                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 63                     | 46                   | 57                   | 53                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 64                     | 47                   | 18                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 65                     | 47                   | 39                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 66                     | 48                   | 0                    | 52                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 67                     | 48                   | 21                   | 49                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 68                     | 48                   | 41                   | 48                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 69                     | 49                   | 4                    | 48                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 70                     | 49                   | 25                   | 48                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 71                     | 49                   | 46                   | 48                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 72                     | 50                   | 7                    | 49                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 73                     | 50                   | 28                   | 49                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 74                     | 50                   | 49                   | 49                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 75                     | 51                   | 10                   | 50                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |
| 76                     | 51                   | 31                   | 51                                                             | 67                                                           | 79                                                            | 69                                                            | 44                                                       | 45                                                        | 45                                                        | 49                                                       | 45                                                        | 49                                                            |

| NO<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLY<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-05<br>CO-PLY<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>SERVO<br>HYD. IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>SERVO<br>HYD. IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>ICOLL.<br>/YMW<br>CHAMP<br>DEG.C |
|----------------------|----------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|
| 77                   | 51                   | 52                   | 50                                                             | 49                                                          | 61                                                            | 51                                                            | 46                                                       | 45                                                        | 47                                                  | 86                                                       | 94                                                  | 81                                                           |
| 78                   | 52                   | 13                   | 49                                                             | 49                                                          | 60                                                            | 49                                                            | 46                                                       | 47                                                        | 47                                                  | 87                                                       | 95                                                  | 83                                                           |
| 79                   | 52                   | 34                   | 50                                                             | 49                                                          | 60                                                            | 50                                                            | 47                                                       | 46                                                        | 47                                                  | 88                                                       | 95                                                  | 85                                                           |
| 80                   | 52                   | 56                   | 50                                                             | 49                                                          | 60                                                            | 51                                                            | 47                                                       | 46                                                        | 47                                                  | 88                                                       | 96                                                  | 87                                                           |
| 81                   | 53                   | 17                   | 50                                                             | 48                                                          | 61                                                            | 51                                                            | 47                                                       | 46                                                        | 47                                                  | 90                                                       | 96                                                  | 90                                                           |
| 82                   | 53                   | 30                   | 50                                                             | 48                                                          | 60                                                            | 50                                                            | 47                                                       | 47                                                        | 47                                                  | 90                                                       | 96                                                  | 91                                                           |
| 83                   | 53                   | 59                   | 49                                                             | 48                                                          | 59                                                            | 51                                                            | 46                                                       | 48                                                        | *                                                   | *                                                        | *                                                   | 92                                                           |
| 84                   | 54                   | 20                   | 51                                                             | 50                                                          | 61                                                            | 52                                                            | 44                                                       | 48                                                        | 48                                                  | 92                                                       | 98                                                  | 94                                                           |
| 85                   | 54                   | 41                   | 51                                                             | 49                                                          | 61                                                            | 52                                                            | 46                                                       | 48                                                        | 48                                                  | 92                                                       | 99                                                  | 96                                                           |
| 86                   | 55                   | 2                    | 50                                                             | 49                                                          | 61                                                            | 52                                                            | 48                                                       | 55                                                        | 47                                                  | 93                                                       | 101                                                 | 97                                                           |
| 87                   | 55                   | 24                   | 51                                                             | 50                                                          | 61                                                            | 52                                                            | 51                                                       | 55                                                        | 47                                                  | 94                                                       | 100                                                 | 97                                                           |
| 88                   | 55                   | 45                   | 51                                                             | 52                                                          | 61                                                            | 53                                                            | 52                                                       | 57                                                        | 47                                                  | 94                                                       | 100                                                 | 98                                                           |
| 89                   | 56                   | 6                    | 51                                                             | 51                                                          | *                                                             | *                                                             | *                                                        | 58                                                        | 46                                                  | 94                                                       | 100                                                 | 98                                                           |
| 90                   | 56                   | 27                   | 51                                                             | 51                                                          | 62                                                            | 53                                                            | 55                                                       | 60                                                        | 46                                                  | 94                                                       | 96                                                  | 99                                                           |
| 91                   | 56                   | 48                   | 51                                                             | 51                                                          | 62                                                            | 53                                                            | 57                                                       | 66                                                        | 46                                                  | 94                                                       | 101                                                 | 100                                                          |
| 92                   | *                    | *                    | *                                                              | 50                                                          | 61                                                            | 49                                                            | 59                                                       | 66                                                        | 46                                                  | 95                                                       | 101                                                 | 101                                                          |
| 93                   | 57                   | 30                   | 50                                                             | 49                                                          | 59                                                            | 49                                                            | 60                                                       | 66                                                        | 46                                                  | 96                                                       | 101                                                 | 101                                                          |
| 94                   | 57                   | 51                   | 49                                                             | 48                                                          | 59                                                            | 48                                                            | 62                                                       | 72                                                        | 46                                                  | 96                                                       | 101                                                 | 102                                                          |
| 95                   | *                    | *                    | 49                                                             | 48                                                          | 59                                                            | 49                                                            | 63                                                       | 74                                                        | 49                                                  | 96                                                       | 100                                                 | 101                                                          |
| 96                   | 58                   | 33                   | 49                                                             | 48                                                          | 59                                                            | 49                                                            | 63                                                       | 75                                                        | 49                                                  | 97                                                       | 102                                                 | 102                                                          |
| 97                   | 58                   | 54                   | 49                                                             | 48                                                          | 59                                                            | 51                                                            | 69                                                       | 78                                                        | 52                                                  | 99                                                       | 103                                                 | 104                                                          |
| 98                   | *                    | *                    | 49                                                             | 49                                                          | 59                                                            | 49                                                            | 66                                                       | 81                                                        | 54                                                  | 99                                                       | 103                                                 | 105                                                          |
| 99                   | 59                   | 35                   | 49                                                             | 48                                                          | 59                                                            | 48                                                            | 66                                                       | 81                                                        | 54                                                  | 99                                                       | 103                                                 | 105                                                          |
| 100                  | 59                   | 56                   | 49                                                             | 48                                                          | 58                                                            | 48                                                            | 71                                                       | 82                                                        | 54                                                  | 98                                                       | 102                                                 | 103                                                          |
| 101                  | 60                   | 17                   | 48                                                             | 49                                                          | 58                                                            | 48                                                            | 71                                                       | 82                                                        | 55                                                  | 98                                                       | 102                                                 | 103                                                          |
| 102                  | 60                   | 38                   | 49                                                             | 49                                                          | 58                                                            | 49                                                            | 72                                                       | 83                                                        | 55                                                  | 98                                                       | 102                                                 | 103                                                          |
| 103                  | 60                   | 59                   | 49                                                             | 50                                                          | 58                                                            | 49                                                            | 73                                                       | 84                                                        | 56                                                  | 98                                                       | 101                                                 | 103                                                          |
| 104                  | 61                   | 21                   | 49                                                             | 50                                                          | 58                                                            | 49                                                            | 74                                                       | 85                                                        | 57                                                  | 98                                                       | 101                                                 | 103                                                          |
| 105                  | 61                   | 42                   | 48                                                             | 48                                                          | 57                                                            | 48                                                            | 75                                                       | 86                                                        | 54                                                  | 98                                                       | 101                                                 | 103                                                          |
| 106                  | 62                   | 3                    | 48                                                             | 49                                                          | 58                                                            | 48                                                            | 76                                                       | 87                                                        | 58                                                  | 98                                                       | 102                                                 | 103                                                          |
| 107                  | 62                   | 24                   | 48                                                             | 48                                                          | 58                                                            | 48                                                            | 76                                                       | 87                                                        | 58                                                  | 99                                                       | 102                                                 | 103                                                          |
| 108                  | 62                   | 46                   | 48                                                             | 48                                                          | 58                                                            | 48                                                            | 77                                                       | 88                                                        | 59                                                  | 99                                                       | 102                                                 | 103                                                          |
| 109                  | 63                   | 7                    | 48                                                             | 48                                                          | 56                                                            | 47                                                            | 77                                                       | 88                                                        | 60                                                  | 99                                                       | *                                                   | *                                                            |
| 110                  | 63                   | 28                   | 49                                                             | 48                                                          | 56                                                            | 47                                                            | 78                                                       | 88                                                        | 60                                                  | 99                                                       | 103                                                 | 104                                                          |
| 111                  | 63                   | 49                   | 51                                                             | 48                                                          | 56                                                            | 49                                                            | 78                                                       | 89                                                        | 61                                                  | 99                                                       | 103                                                 | 104                                                          |
| 112                  | 64                   | 10                   | 51                                                             | 50                                                          | 56                                                            | 49                                                            | 79                                                       | 90                                                        | 61                                                  | 99                                                       | 103                                                 | 104                                                          |
| 113                  | 64                   | 32                   | 52                                                             | 51                                                          | 57                                                            | 51                                                            | 80                                                       | 91                                                        | 63                                                  | 100                                                      | 104                                                 | 104                                                          |
| 114                  | 64                   | 53                   | 52                                                             | 51                                                          | 57                                                            | 52                                                            | 81                                                       | 92                                                        | 63                                                  | 101                                                      | 104                                                 | 104                                                          |
| 115                  | 65                   | 14                   | 52                                                             | 51                                                          | 56                                                            | 51                                                            | 82                                                       | 92                                                        | 66                                                  | 101                                                      | 104                                                 | 105                                                          |
| 116                  | 65                   | 36                   | 52                                                             | 50                                                          | 56                                                            | 51                                                            | 83                                                       | 93                                                        | 67                                                  | 101                                                      | 105                                                 | 105                                                          |
| 117                  | 65                   | 57                   | 51                                                             | 50                                                          | 57                                                            | 52                                                            | 84                                                       | 94                                                        | 68                                                  | 102                                                      | 105                                                 | 105                                                          |
| 118                  | *                    | *                    | 51                                                             | 50                                                          | 57                                                            | 52                                                            | 84                                                       | 95                                                        | 68                                                  | 102                                                      | 105                                                 | 106                                                          |
| 119                  | 66                   | 39                   | 51                                                             | 50                                                          | 56                                                            | 51                                                            | 85                                                       | 95                                                        | 68                                                  | 102                                                      | 105                                                 | 106                                                          |
| 120                  | 67                   | 1                    | 51                                                             | 50                                                          | 55                                                            | 52                                                            | 85                                                       | 95                                                        | 68                                                  | 102                                                      | 106                                                 | 105                                                          |
| 121                  | 67                   | 22                   | 51                                                             | 49                                                          | 55                                                            | 49                                                            | 85                                                       | 95                                                        | 68                                                  | 102                                                      | 105                                                 | 106                                                          |
| 122                  | 67                   | 43                   | 51                                                             | 49                                                          | 53                                                            | 48                                                            | 86                                                       | 96                                                        | 70                                                  | 102                                                      | 105                                                 | 105                                                          |
| 123                  | 68                   | 5                    | 51                                                             | 49                                                          | 53                                                            | 48                                                            | 86                                                       | 96                                                        | 71                                                  | 102                                                      | 106                                                 | 105                                                          |
| 124                  | 68                   | 26                   | 50                                                             | 49                                                          | 53                                                            | 48                                                            | 86                                                       | 96                                                        | 71                                                  | 102                                                      | 106                                                 | 104                                                          |
| 125                  | 68                   | 47                   | 50                                                             | 49                                                          | 53                                                            | 48                                                            | 87                                                       | 97                                                        | 72                                                  | 102                                                      | 106                                                 | 104                                                          |
| 126                  | 69                   | 0                    | 49                                                             | 49                                                          | 52                                                            | 48                                                            | 88                                                       | 98                                                        | 73                                                  | 103                                                      | 106                                                 | 104                                                          |
|                      |                      |                      |                                                                |                                                             |                                                               | 48                                                            | 89                                                       | 98                                                        | 74                                                  | 102                                                      | 107                                                 | 104                                                          |

| SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WHOSD<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WHOSD<br>INSIDE<br>UPPER<br>R<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WHOSD<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WHOSD<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFCS 1<br>(COLL.)<br>HYD IN<br>TEMP<br>DEG.C |
|----------------|----------------------|----------------------|---------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|
| 127            | 69                   | 30                   | 49                                                            | 49                                                       | 53                                                           | 48                                                           | 89                                                       | 99                                                        | 74                                                        | 102                                                      | 106                                                       | 104                                                            |
| 128            | 69                   | 51                   | 49                                                            | 49                                                       | 52                                                           | 48                                                           | 89                                                       | 99                                                        | 74                                                        | 102                                                      | 106                                                       | 104                                                            |
| 129            | 70                   | 12                   | 49                                                            | 49                                                       | 51                                                           | 48                                                           | 89                                                       | 100                                                       | 74                                                        | 102                                                      | 107                                                       | 105                                                            |
| 130            | 70                   | 33                   | 49                                                            | 49                                                       | 51                                                           | 48                                                           | 90                                                       | 100                                                       | 76                                                        | 102                                                      | 106                                                       | 105                                                            |
| 131            | 70                   | 55                   | 49                                                            | 49                                                       | 50                                                           | 46                                                           | 90                                                       | 101                                                       | 76                                                        | 103                                                      | 107                                                       | 105                                                            |
| 132            | 71                   | 16                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 91                                                       | 101                                                       | 76                                                        | 103                                                      | 107                                                       | 105                                                            |
| 133            | 71                   | 37                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 91                                                       | 101                                                       | 77                                                        | 103                                                      | 107                                                       | 105                                                            |
| 134            | 71                   | 58                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 91                                                       | 102                                                       | 78                                                        | 103                                                      | 107                                                       | 105                                                            |
| 135            | 72                   | 20                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 92                                                       | 102                                                       | 78                                                        | 103                                                      | 108                                                       | 104                                                            |
| 136            | 72                   | 41                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 92                                                       | 102                                                       | 78                                                        | 103                                                      | 107                                                       | 104                                                            |
| 137            | 73                   | 2                    | 49                                                            | 49                                                       | 50                                                           | 46                                                           | 92                                                       | 102                                                       | 77                                                        | 103                                                      | 107                                                       | 104                                                            |
| 138            | 73                   | 23                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 93                                                       | 103                                                       | 78                                                        | 103                                                      | 107                                                       | 105                                                            |
| 139            | 73                   | 45                   | 49                                                            | 49                                                       | 49                                                           | 47                                                           | 92                                                       | 103                                                       | 78                                                        | 103                                                      | 108                                                       | 105                                                            |
| 140            | 74                   | 6                    | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 93                                                       | 103                                                       | 79                                                        | 104                                                      | 109                                                       | 106                                                            |
| 141            | 74                   | 27                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 93                                                       | 103                                                       | 78                                                        | 104                                                      | 109                                                       | 106                                                            |
| 142            | 74                   | 48                   | 49                                                            | 49                                                       | 49                                                           | 47                                                           | 93                                                       | 103                                                       | 79                                                        | 105                                                      | 108                                                       | 106                                                            |
| 143            | 75                   | 9                    | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 93                                                       | 103                                                       | 78                                                        | 104                                                      | 108                                                       | 106                                                            |
| 144            | 75                   | 31                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 93                                                       | 103                                                       | 78                                                        | 105                                                      | 108                                                       | 106                                                            |
| 145            | 75                   | 52                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 93                                                       | 103                                                       | 78                                                        | 105                                                      | 108                                                       | 105                                                            |
| 146            | 76                   | 11                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 94                                                       | 104                                                       | 78                                                        | 105                                                      | 109                                                       | 105                                                            |
| 147            | 76                   | 35                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 94                                                       | 104                                                       | 78                                                        | 105                                                      | 109                                                       | 106                                                            |
| 148            | 76                   | 56                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 94                                                       | 104                                                       | 79                                                        | 105                                                      | 109                                                       | 107                                                            |
| 149            | 77                   | 17                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 95                                                       | 105                                                       | 79                                                        | 105                                                      | 109                                                       | 107                                                            |
| 150            | 77                   | 38                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 95                                                       | 105                                                       | 79                                                        | 105                                                      | 109                                                       | 107                                                            |
| 151            | 78                   | 9                    | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 96                                                       | 106                                                       | 82                                                        | 105                                                      | 109                                                       | 107                                                            |
| 152            | 78                   | 21                   | 49                                                            | 49                                                       | 49                                                           | 47                                                           | 96                                                       | 106                                                       | 81                                                        | 106                                                      | 110                                                       | 107                                                            |
| 153            | 78                   | 42                   | 49                                                            | 49                                                       | 49                                                           | 47                                                           | 96                                                       | 105                                                       | 79                                                        | 106                                                      | 110                                                       | 108                                                            |
| 154            | 79                   | 3                    | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 94                                                       | 104                                                       | 79                                                        | 106                                                      | 109                                                       | 108                                                            |
| 155            | 79                   | 25                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 94                                                       | 104                                                       | 79                                                        | 106                                                      | 110                                                       | 108                                                            |
| 156            | 79                   | 46                   | 49                                                            | 49                                                       | 50                                                           | 47                                                           | 95                                                       | 104                                                       | 77                                                        | 106                                                      | 109                                                       | 107                                                            |
| 157            | 80                   | 6                    | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 94                                                       | 104                                                       | 78                                                        | 106                                                      | 109                                                       | 107                                                            |
| 158            | 80                   | 28                   | 49                                                            | 49                                                       | 50                                                           | 46                                                           | 94                                                       | 104                                                       | 77                                                        | 106                                                      | 109                                                       | 107                                                            |
| 159            | 80                   | 50                   | 49                                                            | 49                                                       | 49                                                           | 47                                                           | 94                                                       | 105                                                       | 76                                                        | 106                                                      | 109                                                       | 108                                                            |
| 160            | 81                   | 11                   | 49                                                            | 49                                                       | 49                                                           | 47                                                           | 94                                                       | 103                                                       | 77                                                        | 106                                                      | 109                                                       | 108                                                            |
| 161            | 81                   | 32                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 93                                                       | 103                                                       | 75                                                        | 106                                                      | 109                                                       | 107                                                            |
| 162            | 81                   | 54                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 94                                                       | 103                                                       | 75                                                        | 106                                                      | 109                                                       | 107                                                            |
| 163            | 82                   | 15                   | 49                                                            | 49                                                       | 48                                                           | 46                                                           | 91                                                       | 103                                                       | 76                                                        | 105                                                      | 109                                                       | 107                                                            |
| 164            | 82                   | 36                   | 49                                                            | 49                                                       | 48                                                           | 46                                                           | 94                                                       | 105                                                       | 77                                                        | 106                                                      | 110                                                       | 107                                                            |
| 165            | 82                   | 58                   | 49                                                            | 49                                                       | 49                                                           | 47                                                           | 95                                                       | 105                                                       | 77                                                        | 106                                                      | 111                                                       | 108                                                            |
| 166            | 83                   | 19                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 95                                                       | 105                                                       | 77                                                        | 106                                                      | 110                                                       | 109                                                            |
| 167            | 83                   | 40                   | 49                                                            | 49                                                       | 49                                                           | 46                                                           | 95                                                       | 105                                                       | 77                                                        | 106                                                      | 110                                                       | 109                                                            |
| 168            | 84                   | 2                    | 49                                                            | 49                                                       | 51                                                           | 46                                                           | 96                                                       | 106                                                       | 81                                                        | 107                                                      | 110                                                       | 108                                                            |
| 169            | 84                   | 23                   | 49                                                            | 49                                                       | 51                                                           | 49                                                           | 96                                                       | 107                                                       | 81                                                        | 107                                                      | 111                                                       | 109                                                            |
| 170            | 84                   | 44                   | 49                                                            | 49                                                       | 52                                                           | 49                                                           | 98                                                       | 108                                                       | 84                                                        | 107                                                      | 113                                                       | 110                                                            |
| 171            | 85                   | 6                    | 50                                                            | 50                                                       | 52                                                           | 49                                                           | 98                                                       | 108                                                       | 86                                                        | 108                                                      | 113                                                       | 110                                                            |
| 172            | 85                   | 27                   | 51                                                            | 51                                                       | 54                                                           | 50                                                           | 99                                                       | 109                                                       | 88                                                        | 108                                                      | 113                                                       | 111                                                            |
| 173            | 85                   | 49                   | 50                                                            | 50                                                       | 54                                                           | 50                                                           | 99                                                       | 110                                                       | 89                                                        | 108                                                      | 114                                                       | 112                                                            |
| 174            | 86                   | 10                   | 51                                                            | 51                                                       | 54                                                           | 51                                                           | 100                                                      | 110                                                       | 90                                                        | 108                                                      | 115                                                       | 112                                                            |
| 175            | 86                   | 31                   | 51                                                            | 51                                                       | 54                                                           | 50                                                           | 101                                                      | 110                                                       | 89                                                        | 109                                                      | 114                                                       | 113                                                            |
| 176            | 86                   | 53                   | 52                                                            | 52                                                       | 54                                                           | 50                                                           | 101                                                      | 111                                                       | 92                                                        | 109                                                      | 114                                                       | 112                                                            |

| SWEEP<br>COUNT | 4-02<br>TIME<br>414. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WINDSH<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C |
|----------------|----------------------|----------------------|----------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| 177            | 87                   | 14                   | 52                                                             | 49                                                | 55                                                            | 51                                                            | 182                                                      | 112                                                       | 91                                                        | 80                                                       | 112                                                       | 112                                                       |
| 178            | 87                   | 36                   | 52                                                             | 49                                                | 56                                                            | 51                                                            | 182                                                      | 112                                                       | 92                                                        | 110                                                      | 115                                                       | 113                                                       |
| 179            | 87                   | 57                   | 52                                                             | 50                                                | 55                                                            | 51                                                            | 182                                                      | 112                                                       | 93                                                        | 110                                                      | 115                                                       | 113                                                       |
| 180            | 88                   | 18                   | 52                                                             | 50                                                | 56                                                            | 52                                                            | 182                                                      | 112                                                       | 93                                                        | 110                                                      | 116                                                       | 113                                                       |
| 181            | 88                   | 46                   | 53                                                             | 51                                                | 56                                                            | 51                                                            | 183                                                      | 113                                                       | 94                                                        | 111                                                      | 116                                                       | 114                                                       |
| 182            | 89                   | 1                    | 53                                                             | 51                                                | 56                                                            | 52                                                            | 183                                                      | 113                                                       | 95                                                        | 111                                                      | 116                                                       | 115                                                       |
| 183            | 89                   | 22                   | 52                                                             | 51                                                | 55                                                            | 51                                                            | 184                                                      | 113                                                       | 94                                                        | 112                                                      | 117                                                       | 115                                                       |
| 184            | 89                   | 44                   | 51                                                             | 51                                                | 55                                                            | 50                                                            | 184                                                      | 114                                                       | 93                                                        | 112                                                      | 116                                                       | 114                                                       |
| 185            | 89                   | 5                    | 51                                                             | 50                                                | 55                                                            | 50                                                            | 184                                                      | 112                                                       | 89                                                        | 112                                                      | 113                                                       | 113                                                       |
| 186            | 90                   | 26                   | 51                                                             | 50                                                | 55                                                            | 50                                                            | 183                                                      | 112                                                       | 88                                                        | 111                                                      | 113                                                       | 110                                                       |
| 187            | 90                   | 48                   | 52                                                             | 50                                                | 55                                                            | 50                                                            | 182                                                      | 111                                                       | 85                                                        | 110                                                      | 112                                                       | 109                                                       |
| 188            | 91                   | 9                    | 52                                                             | 51                                                | 55                                                            | 50                                                            | 180                                                      | 111                                                       | 83                                                        | 109                                                      | 111                                                       | 106                                                       |
| 189            | 91                   | 30                   | 52                                                             | 51                                                | 55                                                            | 49                                                            | 180                                                      | 110                                                       | 81                                                        | 109                                                      | 110                                                       | 106                                                       |
| 190            | 91                   | 51                   | 51                                                             | 52                                                | 56                                                            | 50                                                            | 180                                                      | 109                                                       | 79                                                        | 107                                                      | 109                                                       | 105                                                       |
| 191            | 92                   | 12                   | 54                                                             | 51                                                | 57                                                            | 52                                                            | 187                                                      | 107                                                       | 77                                                        | 106                                                      | 108                                                       | 104                                                       |
| 192            | 92                   | 33                   | 54                                                             | 51                                                | 58                                                            | 52                                                            | 187                                                      | 107                                                       | 75                                                        | 106                                                      | 107                                                       | 103                                                       |
| 193            | 92                   | 54                   | 54                                                             | 51                                                | 59                                                            | 52                                                            | 186                                                      | 106                                                       | 74                                                        | 105                                                      | 107                                                       | 103                                                       |
| 194            | 93                   | 15                   | 54                                                             | 52                                                | 56                                                            | 51                                                            | 185                                                      | 105                                                       | 73                                                        | 105                                                      | 106                                                       | 102                                                       |
| 195            | 93                   | 36                   | 54                                                             | 52                                                | 56                                                            | 51                                                            | 184                                                      | 104                                                       | 72                                                        | 104                                                      | 106                                                       | 101                                                       |
| 196            | 93                   | 57                   | 54                                                             | 51                                                | 57                                                            | 49                                                            | 183                                                      | 103                                                       | 71                                                        | 103                                                      | 106                                                       | 101                                                       |
| 197            | 94                   | 18                   | 52                                                             | 52                                                | 56                                                            | 50                                                            | 182                                                      | 102                                                       | 70                                                        | 103                                                      | 106                                                       | 102                                                       |
| 198            | 94                   | 40                   | 53                                                             | 51                                                | 56                                                            | 49                                                            | 181                                                      | 102                                                       | 69                                                        | 103                                                      | 106                                                       | 100                                                       |
| 199            | 95                   | 1                    | 52                                                             | 51                                                | 55                                                            | 48                                                            | 181                                                      | 101                                                       | 70                                                        | 103                                                      | 106                                                       | 102                                                       |
| 200            | 95                   | 22                   | 51                                                             | 50                                                | 55                                                            | 48                                                            | 181                                                      | 102                                                       | 70                                                        | 103                                                      | 106                                                       | 103                                                       |
| 201            | 95                   | 44                   | 51                                                             | 50                                                | 55                                                            | 48                                                            | 181                                                      | 102                                                       | 70                                                        | 103                                                      | 105                                                       | 103                                                       |
| 202            | 96                   | 5                    | 51                                                             | 49                                                | 54                                                            | 48                                                            | 181                                                      | 101                                                       | 70                                                        | 103                                                      | 105                                                       | 103                                                       |
| 203            | 96                   | 26                   | 51                                                             | 49                                                | 54                                                            | 48                                                            | 180                                                      | 101                                                       | 70                                                        | 103                                                      | 105                                                       | 103                                                       |
| 204            | 96                   | 48                   | 51                                                             | 49                                                | 53                                                            | 46                                                            | 181                                                      | 102                                                       | 71                                                        | 104                                                      | 105                                                       | 103                                                       |
| 205            | 97                   | 9                    | 51                                                             | 49                                                | 53                                                            | 46                                                            | 180                                                      | 101                                                       | 69                                                        | 103                                                      | 105                                                       | 104                                                       |
| 206            | 97                   | 30                   | 50                                                             | 49                                                | 53                                                            | 47                                                            | 180                                                      | 102                                                       | 70                                                        | 103                                                      | 105                                                       | 104                                                       |
| 207            | 97                   | 52                   | 51                                                             | 48                                                | 52                                                            | 47                                                            | 180                                                      | 101                                                       | 70                                                        | 103                                                      | 105                                                       | 104                                                       |
| 208            | 98                   | 13                   | 50                                                             | 48                                                | 52                                                            | 47                                                            | 181                                                      | 101                                                       | 70                                                        | 103                                                      | 105                                                       | 104                                                       |
| 209            | 98                   | 24                   | 50                                                             | 48                                                | 52                                                            | 46                                                            | 181                                                      | 101                                                       | 69                                                        | 103                                                      | 105                                                       | 104                                                       |
| 210            | 98                   | 56                   | 51                                                             | 48                                                | 52                                                            | 46                                                            | 181                                                      | 100                                                       | 69                                                        | 103                                                      | 106                                                       | 104                                                       |
| 211            | 99                   | 17                   | 50                                                             | 48                                                | 51                                                            | 48                                                            | 180                                                      | 100                                                       | 69                                                        | 103                                                      | 106                                                       | 104                                                       |
| 212            | 99                   | 38                   | 49                                                             | 48                                                | 52                                                            | 47                                                            | 180                                                      | 100                                                       | 69                                                        | 103                                                      | 106                                                       | 104                                                       |
| 213            | 99                   | 59                   | 49                                                             | 48                                                | 51                                                            | 46                                                            | 180                                                      | 100                                                       | 69                                                        | 103                                                      | 106                                                       | 104                                                       |
| 214            | 100                  | 21                   | 49                                                             | 47                                                | 51                                                            | 47                                                            | 180                                                      | 99                                                        | 69                                                        | 103                                                      | 106                                                       | 104                                                       |
| 215            | 100                  | 42                   | 49                                                             | 47                                                | 51                                                            | 45                                                            | 180                                                      | 99                                                        | 69                                                        | 103                                                      | 106                                                       | 103                                                       |
| 216            | 101                  | 3                    | 49                                                             | 46                                                | 51                                                            | 47                                                            | 180                                                      | 99                                                        | 68                                                        | 103                                                      | 106                                                       | 103                                                       |
| 217            | 101                  | 25                   | 49                                                             | 46                                                | 50                                                            | 46                                                            | 180                                                      | 98                                                        | 68                                                        | 103                                                      | 105                                                       | 104                                                       |
| 218            | 101                  | 46                   | 48                                                             | 46                                                | 50                                                            | 46                                                            | 180                                                      | 98                                                        | 68                                                        | 103                                                      | 105                                                       | 103                                                       |
| 219            | 102                  | 7                    | 49                                                             | 46                                                | 45                                                            | 45                                                            | 180                                                      | 98                                                        | 66                                                        | 102                                                      | 104                                                       | 103                                                       |
| 220            | 102                  | 29                   | 48                                                             | 46                                                | 50                                                            | 47                                                            | 180                                                      | 97                                                        | 66                                                        | 102                                                      | 104                                                       | 103                                                       |
| 221            | 102                  | 50                   | 48                                                             | 45                                                | 50                                                            | 46                                                            | 180                                                      | 97                                                        | 66                                                        | 102                                                      | 104                                                       | 103                                                       |
| 222            | 103                  | 12                   | 48                                                             | 46                                                | 49                                                            | 46                                                            | 180                                                      | 97                                                        | 66                                                        | 102                                                      | 104                                                       | 103                                                       |
| 223            | 103                  | 33                   | 48                                                             | 46                                                | 49                                                            | 46                                                            | 180                                                      | 97                                                        | 66                                                        | 102                                                      | 104                                                       | 103                                                       |
| 224            | 103                  | 55                   | 49                                                             | 46                                                | 51                                                            | 46                                                            | 180                                                      | 98                                                        | 66                                                        | 102                                                      | 104                                                       | 103                                                       |
| 225            | 104                  | 16                   | 50                                                             | 47                                                | 51                                                            | 48                                                            | 180                                                      | 98                                                        | 66                                                        | 102                                                      | 104                                                       | 103                                                       |
| 226            | 104                  | 37                   | 51                                                             | 47                                                | 52                                                            | 49                                                            | 180                                                      | 98                                                        | 66                                                        | 102                                                      | 103                                                       | 103                                                       |

| -01<br>SNEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLT<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLT<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LWR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>COLL.<br>/YAN<br>CHAND<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|
| 227                   | 103                  | 19                   | 51                                                             | 48                                                          | 53                                                            | 49                                                            | 87                                                       | 98                                                        | 66                                                        | 101                                                      | 104                                                       | 105                                               |
| 228                   | 105                  | 20                   | 51                                                             | 48                                                          | 54                                                            | 49                                                            | 86                                                       | 98                                                        | 66                                                        | 102                                                      | 104                                                       | 105                                               |
| 229                   | 105                  | 41                   | 51                                                             | 46                                                          | 54                                                            | 49                                                            | 88                                                       | 98                                                        | 66                                                        | 102                                                      | 104                                                       | 105                                               |
| 230                   | 106                  | 2                    | 51                                                             | 47                                                          | 55                                                            | 48                                                            | 88                                                       | 98                                                        | 66                                                        | 102                                                      | 105                                                       | 105                                               |
| 231                   | 106                  | 24                   | 51                                                             | 47                                                          | 55                                                            | 48                                                            | 89                                                       | 98                                                        | 67                                                        | 101                                                      | 104                                                       | 105                                               |
| 232                   | 106                  | 45                   | 51                                                             | 48                                                          | 55                                                            | 49                                                            | 88                                                       | 98                                                        | 66                                                        | 101                                                      | 104                                                       | 105                                               |
| 233                   | 107                  | 6                    | 50                                                             | 47                                                          | 55                                                            | 49                                                            | 88                                                       | 98                                                        | 66                                                        | 101                                                      | 105                                                       | 105                                               |
| 234                   | 107                  | 28                   | 50                                                             | 46                                                          | 55                                                            | 48                                                            | 88                                                       | 99                                                        | 66                                                        | 102                                                      | 104                                                       | 105                                               |
| 235                   | 107                  | 49                   | 50                                                             | 46                                                          | 56                                                            | 48                                                            | 88                                                       | 98                                                        | 66                                                        | 101                                                      | 105                                                       | 105                                               |
| 236                   | 108                  | 11                   | 51                                                             | 47                                                          | 56                                                            | 48                                                            | 88                                                       | 99                                                        | 66                                                        | 101                                                      | 104                                                       | 104                                               |
| 237                   | 108                  | 32                   | 50                                                             | 47                                                          | 57                                                            | 49                                                            | 88                                                       | 99                                                        | 67                                                        | 101                                                      | 103                                                       | 104                                               |
| 238                   | 108                  | 53                   | 50                                                             | 48                                                          | 56                                                            | 49                                                            | 88                                                       | 99                                                        | 66                                                        | 100                                                      | 103                                                       | 104                                               |
| 239                   | 109                  | 15                   | 51                                                             | 48                                                          | 57                                                            | 49                                                            | 86                                                       | 100                                                       | 66                                                        | 100                                                      | 104                                                       | 104                                               |
| 240                   | 109                  | 36                   | 51                                                             | 46                                                          | 57                                                            | 49                                                            | 89                                                       | 99                                                        | 66                                                        | 100                                                      | 103                                                       | 104                                               |
| 241                   | 109                  | 57                   | 51                                                             | 48                                                          | 57                                                            | 50                                                            | 89                                                       | 99                                                        | 66                                                        | 101                                                      | 103                                                       | 105                                               |
| 242                   | 110                  | 19                   | 50                                                             | 49                                                          | 58                                                            | 50                                                            | 88                                                       | 99                                                        | 67                                                        | 101                                                      | 104                                                       | 106                                               |
| 243                   | 110                  | 40                   | 51                                                             | 48                                                          | 58                                                            | 50                                                            | 88                                                       | 99                                                        | 67                                                        | 101                                                      | 103                                                       | 106                                               |
| 244                   | 111                  | 1                    | 50                                                             | 48                                                          | 58                                                            | 49                                                            | 89                                                       | 99                                                        | 67                                                        | 102                                                      | 105                                                       | 106                                               |
| 245                   | 111                  | 23                   | 50                                                             | 48                                                          | 58                                                            | 51                                                            | 89                                                       | 99                                                        | 67                                                        | 102                                                      | 105                                                       | 106                                               |
| 246                   | 111                  | 44                   | 50                                                             | 48                                                          | 58                                                            | 50                                                            | 88                                                       | 99                                                        | 68                                                        | 102                                                      | 105                                                       | 106                                               |
| 247                   | 112                  | 5                    | 50                                                             | 48                                                          | 58                                                            | 51                                                            | 88                                                       | 99                                                        | 68                                                        | 102                                                      | 105                                                       | 107                                               |
| 248                   | 112                  | 27                   | 50                                                             | 49                                                          | 59                                                            | 51                                                            | 88                                                       | 99                                                        | 68                                                        | 102                                                      | 105                                                       | 107                                               |
| 249                   | 112                  | 48                   | 51                                                             | 48                                                          | 58                                                            | 49                                                            | 88                                                       | 99                                                        | 68                                                        | 103                                                      | 106                                                       | 107                                               |
| 250                   | 113                  | 9                    | 50                                                             | 48                                                          | 57                                                            | 49                                                            | 88                                                       | 99                                                        | 67                                                        | 102                                                      | 105                                                       | 105                                               |
| 251                   | 113                  | 31                   | 50                                                             | 48                                                          | 58                                                            | 48                                                            | 88                                                       | 99                                                        | 69                                                        | 102                                                      | 106                                                       | 105                                               |
| 252                   | 113                  | 52                   | 49                                                             | 48                                                          | 54                                                            | 47                                                            | 89                                                       | 98                                                        | 70                                                        | 103                                                      | 106                                                       | 105                                               |
| 253                   | 114                  | 13                   | 49                                                             | 48                                                          | 53                                                            | 47                                                            | 88                                                       | 99                                                        | 70                                                        | 102                                                      | 106                                                       | 105                                               |
| 254                   | 114                  | 34                   | 50                                                             | 48                                                          | 53                                                            | 47                                                            | 88                                                       | 100                                                       | 71                                                        | 102                                                      | 106                                                       | 105                                               |
| 255                   | 114                  | 55                   | 50                                                             | 47                                                          | 53                                                            | 47                                                            | 89                                                       | 100                                                       | 71                                                        | 103                                                      | 106                                                       | 105                                               |
| 256                   | 115                  | 10                   | 50                                                             | 47                                                          | 53                                                            | 47                                                            | 90                                                       | 101                                                       | 72                                                        | 104                                                      | 107                                                       | 107                                               |
| 257                   | 115                  | 37                   | 49                                                             | 47                                                          | 52                                                            | 47                                                            | 90                                                       | 101                                                       | 72                                                        | 103                                                      | 107                                                       | 106                                               |
| 258                   | 115                  | 58                   | 49                                                             | 48                                                          | 52                                                            | 47                                                            | 90                                                       | 106                                                       | 72                                                        | 104                                                      | 107                                                       | 105                                               |
| 259                   | 116                  | 19                   | 50                                                             | 48                                                          | 52                                                            | 47                                                            | 89                                                       | 98                                                        | 71                                                        | 103                                                      | 106                                                       | 103                                               |
| 260                   | 116                  | 41                   | 50                                                             | 47                                                          | 51                                                            | 46                                                            | 88                                                       | 99                                                        | 70                                                        | 102                                                      | 104                                                       | 101                                               |
| 261                   | 117                  | 2                    | 50                                                             | 48                                                          | 51                                                            | 46                                                            | 88                                                       | 98                                                        | 68                                                        | 99                                                       | 103                                                       | 99                                                |
| 262                   | 117                  | 23                   | 49                                                             | 48                                                          | 52                                                            | 47                                                            | 86                                                       | 96                                                        | 66                                                        | 99                                                       | 101                                                       | 97                                                |
| 263                   | 117                  | 47                   | 51                                                             | 48                                                          | 53                                                            | 48                                                            | 86                                                       | 96                                                        | 65                                                        | 98                                                       | 101                                                       | 96                                                |
| 264                   | 118                  | 5                    | 51                                                             | 49                                                          | 54                                                            | 48                                                            | 85                                                       | 96                                                        | 64                                                        | 98                                                       | 100                                                       | 96                                                |
| 265                   | 118                  | 26                   | 50                                                             | 48                                                          | 55                                                            | 49                                                            | 84                                                       | 95                                                        | 63                                                        | 98                                                       | 99                                                        | 94                                                |
| 266                   | 118                  | 47                   | 51                                                             | 49                                                          | 55                                                            | 49                                                            | 83                                                       | 95                                                        | 62                                                        | 97                                                       | 99                                                        | 94                                                |
| 267                   | 119                  | 6                    | 51                                                             | 49                                                          | 55                                                            | 48                                                            | 84                                                       | 95                                                        | 62                                                        | 97                                                       | 99                                                        | 93                                                |
| 268                   | 119                  | 29                   | 51                                                             | 49                                                          | 55                                                            | 48                                                            | 83                                                       | 94                                                        | 62                                                        | 96                                                       | 98                                                        | 93                                                |
| 269                   | 119                  | 50                   | 50                                                             | 48                                                          | 54                                                            | 46                                                            | 83                                                       | 92                                                        | 61                                                        | 96                                                       | 98                                                        | 93                                                |
| 270                   | 120                  | 11                   | 49                                                             | 47                                                          | 52                                                            | 45                                                            | 82                                                       | 93                                                        | 60                                                        | 96                                                       | 98                                                        | 94                                                |
| 271                   | 120                  | 32                   | 48                                                             | 46                                                          | 51                                                            | 44                                                            | 81                                                       | 92                                                        | 59                                                        | 95                                                       | 98                                                        | 93                                                |
| 272                   | 120                  | 53                   | 45                                                             | 45                                                          | 50                                                            | 44                                                            | 81                                                       | 91                                                        | 59                                                        | 94                                                       | 96                                                        | 92                                                |
| 273                   | 121                  | 14                   | 45                                                             | 44                                                          | 51                                                            | 44                                                            | 80                                                       | 91                                                        | 60                                                        | 93                                                       | 96                                                        | 92                                                |
| 274                   | 121                  | 35                   | 44                                                             | 43                                                          | 50                                                            | 43                                                            | 79                                                       | 90                                                        | 59                                                        | 93                                                       | 95                                                        | 91                                                |
| 275                   | 121                  | 56                   | 44                                                             | 44                                                          | 49                                                            | 43                                                            | 79                                                       | 89                                                        | 58                                                        | 93                                                       | 94                                                        | 92                                                |
| 276                   | 122                  | 1                    | 43                                                             | 43                                                          | 49                                                            | 43                                                            | 79                                                       | 89                                                        | 59                                                        | 92                                                       | 94                                                        | 91                                                |

| -01<br>SLEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-05<br>CO-PLY<br>WINDSH<br>INSIDE<br>LOWER<br>CENTER<br>DEG.C | 4-06<br>CO-PLY<br>WINDSH<br>INSIDE<br>UPPER<br>R H<br>DEG.C | 4-07<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>LHR C<br>DEG.C | 4-08<br>CENTER<br>PANEL<br>WINDSH<br>INSIDE<br>UPR C<br>DEG.C | 4-09<br>1STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-10<br>1STAGE<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-11<br>1STAGE<br>PUMP<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-12<br>2STAGE<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-14<br>2STAGE<br>PUMP<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C | 4-15<br>2STAGE<br>PUMP<br>AFT<br>SERVO<br>HYD IN<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| 277                   | 122                  | 38                   | 44                                                             | 43                                                          | 46                                                            | 44                                                            | 77                                                       | 89                                                        | 58                                                                | 92                                                       | 94                                                                | 91                                                                |
| 278                   | 122                  | 59                   | 44                                                             | 43                                                          | 49                                                            | 44                                                            | 78                                                       | 88                                                        | 56                                                                | 92                                                       | 94                                                                | 90                                                                |
| 279                   | 123                  | 28                   | 44                                                             | 44                                                          | 48                                                            | 44                                                            | 77                                                       | 88                                                        | 57                                                                | 91                                                       | 94                                                                | 90                                                                |
| 280                   | 123                  | 42                   | 45                                                             | 44                                                          | 49                                                            | 45                                                            | 77                                                       | 89                                                        | 57                                                                | 91                                                       | 93                                                                | 89                                                                |
| 281                   | 124                  | 3                    | 45                                                             | 45                                                          | 50                                                            | 45                                                            | 77                                                       | 87                                                        | 56                                                                | 91                                                       | 93                                                                | 88                                                                |
| 282                   | 124                  | 24                   | 45                                                             | 45                                                          | 49                                                            | 44                                                            | 77                                                       | 88                                                        | 56                                                                | 90                                                       | 94                                                                | 87                                                                |
| 283                   | 124                  | 43                   | 45                                                             | 45                                                          | 49                                                            | 44                                                            | 77                                                       | 88                                                        | 58                                                                | 91                                                       | 93                                                                | 88                                                                |
| 284                   | 125                  | 6                    | 45                                                             | 45                                                          | 51                                                            | 45                                                            | 77                                                       | 88                                                        | 59                                                                | 91                                                       | 93                                                                | 88                                                                |
| 285                   | 125                  | 27                   | 45                                                             | 44                                                          | 51                                                            | 46                                                            | 76                                                       | 87                                                        | 58                                                                | 90                                                       | 92                                                                | 88                                                                |
| 286                   | 125                  | 48                   | 46                                                             | 43                                                          | 52                                                            | 45                                                            | 76                                                       | 87                                                        | 57                                                                | 89                                                       | 92                                                                | 88                                                                |
| 287                   | 126                  | 9                    | 46                                                             | 43                                                          | 52                                                            | 46                                                            | 75                                                       | 86                                                        | 56                                                                | 89                                                       | 92                                                                | 87                                                                |
| 288                   | 126                  | 30                   | 47                                                             | 44                                                          | 52                                                            | 46                                                            | 75                                                       | 85                                                        | 55                                                                | 89                                                       | 91                                                                | 87                                                                |
| 289                   | 126                  | 51                   | 47                                                             | 44                                                          | 53                                                            | 45                                                            | 75                                                       | 85                                                        | 55                                                                | 89                                                       | 91                                                                | 86                                                                |
| 290                   | 127                  | 12                   | 47                                                             | 45                                                          | 54                                                            | 45                                                            | 74                                                       | 85                                                        | 55                                                                | 88                                                       | 91                                                                | 85                                                                |
| 291                   | 127                  | 34                   | 47                                                             | 46                                                          | 54                                                            | 46                                                            | 74                                                       | 85                                                        | 55                                                                | 88                                                       | 90                                                                | 86                                                                |
| 292                   | 127                  | 54                   | 48                                                             | 46                                                          | 53                                                            | 46                                                            | 75                                                       | 86                                                        | 56                                                                | 89                                                       | 91                                                                | 85                                                                |
| 293                   | 128                  | 15                   | 47                                                             | 46                                                          | 52                                                            | 45                                                            | 74                                                       | 86                                                        | 56                                                                | 89                                                       | 93                                                                | 89                                                                |
| 294                   | 128                  | 35                   | 48                                                             | 46                                                          | 51                                                            | 45                                                            | 75                                                       | 85                                                        | 56                                                                | 89                                                       | 93                                                                | 87                                                                |
| 295                   | 128                  | 56                   | 47                                                             | 45                                                          | 51                                                            | 44                                                            | 74                                                       | 85                                                        | 56                                                                | 89                                                       | 92                                                                | 87                                                                |
| 296                   | 129                  | 17                   | 47                                                             | 45                                                          | 49                                                            | 44                                                            | 74                                                       | 85                                                        | 56                                                                | 88                                                       | 91                                                                | 87                                                                |
| 297                   | 129                  | 38                   | 45                                                             | 44                                                          | 49                                                            | 44                                                            | 75                                                       | 85                                                        | 56                                                                | 88                                                       | 92                                                                | 86                                                                |
| 298                   | 129                  | 59                   | 45                                                             | 45                                                          | 49                                                            | 43                                                            | 75                                                       | 85                                                        | 56                                                                | 88                                                       | 90                                                                | 85                                                                |
| 299                   | 130                  | 21                   | 45                                                             | 45                                                          | 58                                                            | 43                                                            | 75                                                       | 85                                                        | 56                                                                | 87                                                       | 90                                                                | 86                                                                |
| 300                   | 130                  | 42                   | 46                                                             | 44                                                          | 51                                                            | 43                                                            | 75                                                       | 85                                                        | 56                                                                | 88                                                       | 91                                                                | 89                                                                |
| 301                   | 131                  | 3                    | 48                                                             | 45                                                          | 52                                                            | 43                                                            | 75                                                       | 85                                                        | 57                                                                | 88                                                       | 91                                                                | 89                                                                |
| 302                   | 131                  | 24                   | 48                                                             | 46                                                          | 51                                                            | 46                                                            | 75                                                       | 86                                                        | 56                                                                | 88                                                       | 92                                                                | 88                                                                |
| 303                   | 131                  | 45                   | 47                                                             | 45                                                          | 51                                                            | 44                                                            | 75                                                       | 85                                                        | 56                                                                | 88                                                       | 91                                                                | 85                                                                |
| 304                   | 132                  | 6                    | 44                                                             | 45                                                          | 49                                                            | 44                                                            | 75                                                       | 85                                                        | 56                                                                | 88                                                       | 91                                                                | 85                                                                |
| 305                   | 132                  | 27                   | 46                                                             | 46                                                          | 49                                                            | 44                                                            | 75                                                       | 85                                                        | 56                                                                | 88                                                       | 91                                                                | 86                                                                |
| 306                   | 132                  | 48                   | 47                                                             | 46                                                          | 49                                                            | 44                                                            | 76                                                       | 85                                                        | 56                                                                | 89                                                       | 92                                                                | 87                                                                |
| 307                   | 133                  | 11                   | 48                                                             | 46                                                          | 48                                                            | 44                                                            | 76                                                       | 86                                                        | 57                                                                | 89                                                       | 93                                                                | 88                                                                |
| 308                   | 133                  | 31                   | 46                                                             | 44                                                          | 48                                                            | 44                                                            | 76                                                       | 87                                                        | 57                                                                | 89                                                       | 93                                                                | 88                                                                |
| 309                   | 133                  | 52                   | 47                                                             | 46                                                          | 48                                                            | 44                                                            | 77                                                       | 87                                                        | 59                                                                | 90                                                       | 93                                                                | 89                                                                |
| 310                   | 134                  | 13                   | 47                                                             | 46                                                          | 51                                                            | 44                                                            | 78                                                       | 89                                                        | 59                                                                | 91                                                       | 95                                                                | 91                                                                |
| 311                   | 134                  | 34                   | 46                                                             | 46                                                          | 51                                                            | 44                                                            | 78                                                       | 89                                                        | 59                                                                | 92                                                       | 95                                                                | 92                                                                |
| 312                   | 134                  | 56                   | 46                                                             | 45                                                          | 50                                                            | 44                                                            | 79                                                       | 89                                                        | 60                                                                | 92                                                       | 96                                                                | 92                                                                |
| 313                   | 135                  | 17                   | 46                                                             | 45                                                          | 49                                                            | 44                                                            | 80                                                       | 90                                                        | 61                                                                | 93                                                       | 96                                                                | 93                                                                |
| 314                   | 135                  | 38                   | 46                                                             | 45                                                          | 49                                                            | 44                                                            | 80                                                       | 91                                                        | 62                                                                | 93                                                       | 97                                                                | 94                                                                |
| 315                   | 135                  | 59                   | 45                                                             | 44                                                          | 49                                                            | 43                                                            | 80                                                       | 90                                                        | 62                                                                | 93                                                       | 97                                                                | 95                                                                |
| 316                   | 136                  | 28                   | 44                                                             | 44                                                          | 48                                                            | 43                                                            | 81                                                       | 92                                                        | 63                                                                | 95                                                       | 98                                                                | 96                                                                |
| 317                   | 136                  | 42                   | 45                                                             | 44                                                          | 48                                                            | 43                                                            | 82                                                       | 93                                                        | 63                                                                | 95                                                       | 99                                                                | 97                                                                |
| 318                   | 137                  | 3                    | 45                                                             | 44                                                          | 48                                                            | 43                                                            | 83                                                       | 93                                                        | 64                                                                | 96                                                       | 99                                                                | 98                                                                |
| 319                   | 137                  | 24                   | 44                                                             | 45                                                          | 47                                                            | 43                                                            | 83                                                       | 93                                                        | 64                                                                | 96                                                       | 99                                                                | 98                                                                |
| 320                   | 137                  | 45                   | 44                                                             | 45                                                          | 47                                                            | 43                                                            | 83                                                       | 93                                                        | 64                                                                | 96                                                       | 99                                                                | 98                                                                |
| 321                   | 138                  | 6                    | 44                                                             | 45                                                          | 46                                                            | 42                                                            | 83                                                       | 94                                                        | 64                                                                | 97                                                       | 100                                                               | 99                                                                |
| 322                   | 138                  | 26                   | 45                                                             | 45                                                          | 46                                                            | 44                                                            | 84                                                       | 94                                                        | 65                                                                | 98                                                       | 101                                                               | 100                                                               |
| 323                   | 139                  | 50                   | 45                                                             | 45                                                          | 46                                                            | 44                                                            | 85                                                       | 94                                                        | 65                                                                | 98                                                       | 101                                                               | 101                                                               |
| 324                   | 139                  | 11                   | 44                                                             | 45                                                          | 46                                                            | 44                                                            | 85                                                       | 90                                                        | 66                                                                | 99                                                       | 102                                                               | 102                                                               |
| 325                   | 139                  | 32                   | 44                                                             | 45                                                          | 46                                                            | 44                                                            | 85                                                       | 87                                                        | 65                                                                | 101                                                      | 107                                                               | 100                                                               |
| 326                   | 139                  | 53                   | 45                                                             | 45                                                          | 46                                                            | 44                                                            | 82                                                       | 86                                                        | 61                                                                | 102                                                      | 108                                                               | 99                                                                |

|       |        |        |        |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 01    | 4-01   | 4-02   | 4-03   | 4-06   | 4-07   | 4-08   | 4-09   | 4-10   | 4-11   | 4-12   | 4-14   | 4-15   |
| SHEET | CO-PLT | CO-PLT | CO-PLT | CO-PLT | CENTER | CENTER | 1STAGE | 1STAGE | 1STAGE | 2STAGE | 2STAGE | 2STAGE |
| 12    | UPPER  | UPPER  | UPPER  | UPPER  | INSIDE | INSIDE | PUMP   | PUMP   | SERVO  | PUMP   | SERVO  | AFGS 1 |
|       | LOWER  | LOWER  | LOWER  | INSIDE | INSIDE | INSIDE | INLET  | OUTLET | HYD IN | INLET  | HYD IN | ICOLL. |
|       | CENTER | CENTER | CENTER | UPPER  | UPPER  | UPPER  | HYD.   | HYD.   | HYD IN | HYD.   | TEMP   | TEMP   |
|       | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  |
|       | 14     | 14     | 14     | 45     | 48     | 44     | 82     | 85     | 63     | 105    | 110    | 98     |
|       | 35     | 35     | 35     | 45     | 40     | 44     | 81     | 84     | 62     | 107    | 113    | 97     |
|       | 140    | 140    | 140    | 45     | 40     | 44     |        |        |        |        |        |        |
|       | 328    | 328    | 328    | 45     | 40     | 44     |        |        |        |        |        |        |

MH-53C SAM 68-10354  
 DESERT TEST  
 9 JUL 1971  
 RUN NO. 9

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-04<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-05<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-06<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-07<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP.<br>DEG.C | 4-08<br>ROTARY<br>RUDDER<br>2ND<br>INLET<br>TEMP.<br>DEG.C | 4-09<br>MINCH<br>PUMP<br>OUTLET<br>TEMP.<br>DEG.C | 4-10<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-11<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C | 4-12<br>SWEEP<br>COUNT |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|------------------------|
| 32                    | 32                   | 16                   | 47                                                            | 45                                                       | 49                                                           | 48                                                            | 48                                                         | 44                                                | 44                                                       | 45                                                        | 32                     |
| 33                    | 32                   | 18                   | 47                                                            | 45                                                       | 49                                                           | 48                                                            | 48                                                         | 44                                                | 44                                                       | 45                                                        | 33                     |
| 34                    | 32                   | 20                   | 47                                                            | 45                                                       | 49                                                           | 48                                                            | 48                                                         | 44                                                | 44                                                       | 45                                                        | 34                     |
| 35                    | 34                   | 31                   | 48                                                            | 46                                                       | 49                                                           | 48                                                            | 48                                                         | 44                                                | 45                                                       | 46                                                        | 35                     |
| 36                    | 35                   | 17                   | 48                                                            | *                                                        | *                                                            | *                                                             | *                                                          | *                                                 | *                                                        | *                                                         | 36                     |
| 37                    | 37                   | 39                   | 44                                                            | 43                                                       | 47                                                           | 45                                                            | 45                                                         | 42                                                | 42                                                       | 44                                                        | 37                     |
| 38                    | 37                   | 1                    | 44                                                            | 43                                                       | 47                                                           | 45                                                            | 45                                                         | 42                                                | 42                                                       | 44                                                        | 38                     |
| 39                    | 38                   | 22                   | 45                                                            | 43                                                       | 47                                                           | 45                                                            | 45                                                         | 42                                                | 42                                                       | 44                                                        | 39                     |
| 40                    | 38                   | 44                   | 45                                                            | 43                                                       | 47                                                           | 45                                                            | 45                                                         | 42                                                | 42                                                       | 44                                                        | 40                     |
| 41                    | 39                   | 3                    | 45                                                            | 43                                                       | 47                                                           | 45                                                            | 45                                                         | 42                                                | 42                                                       | 44                                                        | 41                     |
| 42                    | 39                   | 27                   | 45                                                            | 43                                                       | 47                                                           | 45                                                            | 45                                                         | 42                                                | 42                                                       | 44                                                        | 42                     |
| 43                    | 39                   | 48                   | 45                                                            | 43                                                       | 47                                                           | 45                                                            | 45                                                         | 42                                                | 42                                                       | 44                                                        | 43                     |
| 44                    | 40                   | 10                   | 44                                                            | 42                                                       | 48                                                           | 46                                                            | 46                                                         | 41                                                | 41                                                       | 44                                                        | 44                     |
| 45                    | 40                   | 31                   | 45                                                            | 42                                                       | 48                                                           | 46                                                            | 46                                                         | 41                                                | 41                                                       | 44                                                        | 45                     |
| 46                    | 40                   | 53                   | 45                                                            | 42                                                       | 48                                                           | 46                                                            | 46                                                         | 41                                                | 41                                                       | 44                                                        | 46                     |
| 47                    | 41                   | 12                   | 45                                                            | 42                                                       | 48                                                           | 46                                                            | 46                                                         | 41                                                | 41                                                       | 44                                                        | 47                     |
| 48                    | 41                   | 36                   | 45                                                            | 42                                                       | 48                                                           | 46                                                            | 46                                                         | 41                                                | 41                                                       | 44                                                        | 48                     |
| 49                    | 41                   | 57                   | 45                                                            | 42                                                       | 48                                                           | 46                                                            | 46                                                         | 41                                                | 41                                                       | 44                                                        | 49                     |
| 50                    | 41                   | *                    | 45                                                            | 42                                                       | 48                                                           | 46                                                            | 46                                                         | 41                                                | 41                                                       | 44                                                        | 50                     |
| 51                    | 42                   | 40                   | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 51                     |
| 52                    | 43                   | 1                    | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 52                     |
| 53                    | 43                   | *                    | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 53                     |
| 54                    | 43                   | 44                   | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 54                     |
| 55                    | 44                   | 5                    | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 55                     |
| 56                    | 44                   | *                    | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 56                     |
| 57                    | 44                   | 49                   | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 57                     |
| 58                    | 45                   | 10                   | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 58                     |
| 59                    | 45                   | *                    | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 59                     |
| 60                    | 45                   | 53                   | 44                                                            | 41                                                       | 47                                                           | 45                                                            | 45                                                         | 41                                                | 41                                                       | 44                                                        | 60                     |
| 61                    | 46                   | 15                   | 46                                                            | 48                                                       | 50                                                           | 48                                                            | 48                                                         | 45                                                | 45                                                       | 47                                                        | 61                     |
| 62                    | 46                   | *                    | 49                                                            | 49                                                       | 50                                                           | 49                                                            | 49                                                         | 45                                                | 45                                                       | 47                                                        | 62                     |
| 63                    | 47                   | 37                   | 49                                                            | 50                                                       | 50                                                           | 49                                                            | 49                                                         | 45                                                | 45                                                       | 47                                                        | 63                     |
| 64                    | 47                   | 18                   | 49                                                            | 50                                                       | 50                                                           | 49                                                            | 49                                                         | 45                                                | 45                                                       | 47                                                        | 64                     |
| 65                    | 47                   | 39                   | 51                                                            | 51                                                       | 51                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 65                     |
| 66                    | 48                   | 0                    | 51                                                            | 51                                                       | 51                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 66                     |
| 67                    | 48                   | 21                   | 51                                                            | 51                                                       | 51                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 67                     |
| 68                    | 48                   | 41                   | 52                                                            | 52                                                       | 51                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 68                     |
| 69                    | 49                   | 4                    | 52                                                            | 52                                                       | 51                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 69                     |
| 70                    | 49                   | 25                   | 53                                                            | 53                                                       | 51                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 70                     |
| 71                    | 49                   | 46                   | 53                                                            | 53                                                       | 51                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 71                     |
| 72                    | 50                   | 7                    | 54                                                            | 54                                                       | 55                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 72                     |
| 73                    | 50                   | 28                   | 54                                                            | 54                                                       | 55                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 73                     |
| 74                    | 50                   | 49                   | 54                                                            | 54                                                       | 55                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 74                     |
| 75                    | 51                   | 10                   | 54                                                            | 54                                                       | 55                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 75                     |
| 76                    | 51                   | 31                   | 54                                                            | 54                                                       | 55                                                           | 49                                                            | 49                                                         | 46                                                | 46                                                       | 47                                                        | 76                     |



| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 77                    | 51                   | 52                   | *                                                             | *                                                       | *                                                        | *                                                            | 49                                                           | 56                                                          | 51                                                      | 49                                                       | 78                                                       | 57                                                        |
| 78                    | 52                   | 13                   | 85                                                            | 55                                                      | 65                                                       | 55                                                           | 49                                                           | 55                                                          | 51                                                      | 50                                                       | 78                                                       | 57                                                        |
| 79                    | 52                   | 34                   | 86                                                            | 56                                                      | 65                                                       | 54                                                           | 49                                                           | 56                                                          | 52                                                      | 50                                                       | 79                                                       | 57                                                        |
| 80                    | 53                   | 56                   | *                                                             | *                                                       | *                                                        | *                                                            | 48                                                           | 55                                                          | 51                                                      | 50                                                       | 79                                                       | 58                                                        |
| 81                    | 53                   | 17                   | 90                                                            | 56                                                      | 66                                                       | 55                                                           | 49                                                           | 55                                                          | 52                                                      | 50                                                       | 79                                                       | 57                                                        |
| 82                    | 53                   | 38                   | 92                                                            | 56                                                      | 66                                                       | 55                                                           | 48                                                           | 55                                                          | 52                                                      | 54                                                       | 81                                                       | 64                                                        |
| 83                    | 53                   | 59                   | 92                                                            | 58                                                      | 64                                                       | 55                                                           | 48                                                           | 55                                                          | 53                                                      | 52                                                       | 82                                                       | 67                                                        |
| 84                    | 54                   | 20                   | 92                                                            | 58                                                      | 66                                                       | 56                                                           | 49                                                           | 55                                                          | 54                                                      | 52                                                       | 81                                                       | 60                                                        |
| 85                    | 54                   | 41                   | 93                                                            | 59                                                      | 66                                                       | 56                                                           | 49                                                           | 55                                                          | 54                                                      | 52                                                       | 80                                                       | 59                                                        |
| 86                    | 55                   | 2                    | 94                                                            | 59                                                      | 68                                                       | 56                                                           | 49                                                           | 54                                                          | 54                                                      | 52                                                       | 80                                                       | 58                                                        |
| 87                    | 55                   | 24                   | 94                                                            | 59                                                      | 68                                                       | 56                                                           | 49                                                           | 54                                                          | 54                                                      | 53                                                       | 81                                                       | 58                                                        |
| 88                    | 55                   | 45                   | 94                                                            | 59                                                      | 68                                                       | 56                                                           | 49                                                           | 54                                                          | 55                                                      | 53                                                       | 82                                                       | 57                                                        |
| 89                    | 56                   | 6                    | 93                                                            | 59                                                      | 69                                                       | 57                                                           | 49                                                           | 54                                                          | 55                                                      | 54                                                       | 82                                                       | 57                                                        |
| 90                    | 56                   | 27                   | 88                                                            | 58                                                      | 68                                                       | 57                                                           | 49                                                           | 53                                                          | 56                                                      | 53                                                       | 82                                                       | 57                                                        |
| 91                    | 56                   | 48                   | 94                                                            | 58                                                      | 68                                                       | 56                                                           | 49                                                           | 53                                                          | 56                                                      | 54                                                       | 82                                                       | 59                                                        |
| 92                    | *                    | *                    | 95                                                            | 57                                                      | 69                                                       | 57                                                           | 49                                                           | 53                                                          | 56                                                      | 54                                                       | 82                                                       | 58                                                        |
| 93                    | 57                   | 30                   | 96                                                            | 59                                                      | 69                                                       | 59                                                           | 50                                                           | 54                                                          | 59                                                      | 56                                                       | 84                                                       | 59                                                        |
| 94                    | 57                   | 51                   | 97                                                            | 59                                                      | 68                                                       | 58                                                           | 51                                                           | 54                                                          | 59                                                      | 56                                                       | 84                                                       | 60                                                        |
| 95                    | *                    | 51                   | 98                                                            | 61                                                      | 67                                                       | 59                                                           | 49                                                           | 53                                                          | 60                                                      | 59                                                       | 86                                                       | 60                                                        |
| 96                    | 58                   | 33                   | 94                                                            | 62                                                      | 68                                                       | 59                                                           | 50                                                           | 53                                                          | 60                                                      | 57                                                       | 88                                                       | 70                                                        |
| 97                    | 58                   | 54                   | 100                                                           | 63                                                      | 71                                                       | 60                                                           | 52                                                           | 56                                                          | 62                                                      | 59                                                       | 85                                                       | 63                                                        |
| 98                    | *                    | *                    | 101                                                           | 63                                                      | 72                                                       | 61                                                           | 52                                                           | 56                                                          | 63                                                      | 59                                                       | 85                                                       | 63                                                        |
| 99                    | 59                   | 35                   | 99                                                            | 62                                                      | 71                                                       | 59                                                           | 51                                                           | 56                                                          | 61                                                      | 59                                                       | 84                                                       | 61                                                        |
| 100                   | 59                   | 56                   | 98                                                            | 62                                                      | 72                                                       | 59                                                           | 50                                                           | 54                                                          | 62                                                      | 58                                                       | 83                                                       | 60                                                        |
| 101                   | 60                   | 17                   | 98                                                            | 62                                                      | 72                                                       | 60                                                           | 49                                                           | 54                                                          | 62                                                      | 59                                                       | 83                                                       | 61                                                        |
| 102                   | 60                   | 38                   | 98                                                            | 61                                                      | 71                                                       | 60                                                           | 50                                                           | 53                                                          | 62                                                      | 59                                                       | 83                                                       | 60                                                        |
| 103                   | 60                   | 59                   | 98                                                            | 60                                                      | 71                                                       | 59                                                           | 49                                                           | 53                                                          | 62                                                      | 59                                                       | 84                                                       | 60                                                        |
| 104                   | 61                   | 21                   | 99                                                            | 61                                                      | 71                                                       | 60                                                           | 50                                                           | 54                                                          | 63                                                      | 59                                                       | 83                                                       | 61                                                        |
| 105                   | 61                   | 42                   | 99                                                            | 60                                                      | 71                                                       | 61                                                           | 49                                                           | 54                                                          | 63                                                      | 60                                                       | 84                                                       | 62                                                        |
| 106                   | 62                   | 3                    | 99                                                            | 61                                                      | 72                                                       | 61                                                           | 49                                                           | 53                                                          | 63                                                      | 59                                                       | 83                                                       | 61                                                        |
| 107                   | 62                   | 24                   | 99                                                            | 60                                                      | 71                                                       | 61                                                           | 50                                                           | 54                                                          | 64                                                      | 60                                                       | 83                                                       | 61                                                        |
| 108                   | 62                   | 46                   | 100                                                           | *                                                       | 72                                                       | 61                                                           | 50                                                           | 53                                                          | 64                                                      | 61                                                       | 84                                                       | 62                                                        |
| 109                   | 63                   | 7                    | 99                                                            | 60                                                      | 72                                                       | 61                                                           | 51                                                           | 53                                                          | 65                                                      | 61                                                       | 84                                                       | 63                                                        |
| 110                   | 63                   | 28                   | 100                                                           | 61                                                      | 73                                                       | 62                                                           | 49                                                           | 54                                                          | 65                                                      | 61                                                       | 84                                                       | 64                                                        |
| 111                   | 63                   | 49                   | 100                                                           | 61                                                      | 72                                                       | 62                                                           | 50                                                           | 55                                                          | 65                                                      | 62                                                       | 84                                                       | 65                                                        |
| 112                   | 64                   | 10                   | 101                                                           | 61                                                      | 72                                                       | 62                                                           | 49                                                           | 55                                                          | 65                                                      | 62                                                       | 84                                                       | 65                                                        |
| 113                   | 64                   | 32                   | 101                                                           | 62                                                      | 73                                                       | 62                                                           | 51                                                           | 54                                                          | 66                                                      | 62                                                       | 85                                                       | 66                                                        |
| 114                   | 64                   | 53                   | 102                                                           | 62                                                      | 73                                                       | 62                                                           | 51                                                           | 54                                                          | 67                                                      | 62                                                       | 85                                                       | 65                                                        |
| 115                   | 65                   | 14                   | 103                                                           | 62                                                      | 73                                                       | 63                                                           | 50                                                           | 54                                                          | 67                                                      | 62                                                       | 85                                                       | 65                                                        |
| 116                   | 65                   | 36                   | 102                                                           | 63                                                      | 73                                                       | 63                                                           | 49                                                           | 54                                                          | 68                                                      | 63                                                       | 85                                                       | 65                                                        |
| 117                   | 65                   | 57                   | 102                                                           | 63                                                      | 73                                                       | 64                                                           | 50                                                           | 54                                                          | 68                                                      | 63                                                       | 85                                                       | 65                                                        |
| 118                   | *                    | *                    | 102                                                           | 63                                                      | 74                                                       | 64                                                           | 49                                                           | 54                                                          | 68                                                      | 64                                                       | 86                                                       | 64                                                        |
| 119                   | 66                   | 39                   | 102                                                           | 63                                                      | 74                                                       | 64                                                           | 49                                                           | 54                                                          | 69                                                      | 64                                                       | 86                                                       | 64                                                        |
| 120                   | 67                   | 1                    | 102                                                           | 63                                                      | 75                                                       | 64                                                           | 49                                                           | 53                                                          | 69                                                      | 64                                                       | 86                                                       | 64                                                        |
| 121                   | 67                   | 22                   | 101                                                           | 62                                                      | 74                                                       | 64                                                           | 49                                                           | 52                                                          | 69                                                      | 64                                                       | 86                                                       | 65                                                        |
| 122                   | 67                   | 43                   | 100                                                           | 64                                                      | 75                                                       | *                                                            | *                                                            | 52                                                          | 69                                                      | 64                                                       | 86                                                       | 65                                                        |
| 123                   | 68                   | 5                    | 100                                                           | 64                                                      | 75                                                       | 65                                                           | 48                                                           | 53                                                          | 69                                                      | 64                                                       | 86                                                       | 66                                                        |
| 124                   | 68                   | 26                   | 99                                                            | 64                                                      | 75                                                       | 65                                                           | 48                                                           | 53                                                          | 69                                                      | 65                                                       | 86                                                       | 65                                                        |
| 125                   | 68                   | 47                   | 99                                                            | 64                                                      | 75                                                       | 65                                                           | 48                                                           | 52                                                          | 69                                                      | 64                                                       | 86                                                       | 66                                                        |
| 126                   | 69                   | 4                    | 99                                                            | 64                                                      | 75                                                       | 65                                                           | 48                                                           | 52                                                          | 69                                                      | 64                                                       | 86                                                       | 66                                                        |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 127                   | 69                   | 30                   | 99                                                            | 64                                                      | 76                                                       | 65                                                            | 48                                                           | 52                                                          | 70                                                      | 65                                                       | 86                                                       | 66                                                        |
| 128                   | 69                   | 51                   | 101                                                           | 64                                                      | 76                                                       | 65                                                            | 48                                                           | 52                                                          | 70                                                      | 64                                                       | 86                                                       | 66                                                        |
| 129                   | 70                   | 12                   | 100                                                           | 65                                                      | 78                                                       | 65                                                            | 48                                                           | 52                                                          | 70                                                      | 64                                                       | 87                                                       | 66                                                        |
| 130                   | 70                   | 33                   | 100                                                           | 65                                                      | 76                                                       | 66                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 86                                                       | 66                                                        |
| 131                   | 70                   | 55                   | 100                                                           | 65                                                      | 76                                                       | 66                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 87                                                       | 66                                                        |
| 132                   | 71                   | 16                   | 100                                                           | 65                                                      | 76                                                       | 66                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 86                                                       | 66                                                        |
| 133                   | 71                   | 37                   | 100                                                           | 65                                                      | 76                                                       | 66                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 86                                                       | 66                                                        |
| 134                   | 71                   | 50                   | 99                                                            | 65                                                      | 76                                                       | 66                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 86                                                       | 66                                                        |
| 135                   | 72                   | 20                   | 99                                                            | 65                                                      | 76                                                       | 66                                                            | 48                                                           | 51                                                          | 70                                                      | 64                                                       | 87                                                       | 67                                                        |
| 136                   | 72                   | 41                   | 99                                                            | 65                                                      | 77                                                       | 66                                                            | 48                                                           | 51                                                          | 70                                                      | 65                                                       | 87                                                       | 67                                                        |
| 137                   | 73                   | 2                    | 100                                                           | 65                                                      | 77                                                       | 66                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 87                                                       | 67                                                        |
| 138                   | 73                   | 23                   | 99                                                            | 65                                                      | 76                                                       | 67                                                            | 47                                                           | 50                                                          | 70                                                      | 64                                                       | 87                                                       | 67                                                        |
| 139                   | 73                   | 45                   | 100                                                           | 66                                                      | 77                                                       | 67                                                            | 47                                                           | 51                                                          | 71                                                      | 65                                                       | 87                                                       | 69                                                        |
| 140                   | 74                   | 6                    | 101                                                           | 66                                                      | 77                                                       | 66                                                            | 48                                                           | 51                                                          | 71                                                      | 65                                                       | 87                                                       | 69                                                        |
| 141                   | 74                   | 27                   | 100                                                           | 66                                                      | 77                                                       | 67                                                            | 47                                                           | 50                                                          | 71                                                      | 65                                                       | 87                                                       | 67                                                        |
| 142                   | 74                   | 48                   | 100                                                           | 66                                                      | 77                                                       | 67                                                            | 47                                                           | 50                                                          | 71                                                      | 66                                                       | 87                                                       | 67                                                        |
| 143                   | 75                   | 9                    | 101                                                           | 66                                                      | 77                                                       | 67                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 87                                                       | 67                                                        |
| 144                   | 75                   | 31                   | 101                                                           | 66                                                      | 78                                                       | 67                                                            | 48                                                           | 51                                                          | 70                                                      | 65                                                       | 87                                                       | 66                                                        |
| 145                   | 75                   | 52                   | 101                                                           | 66                                                      | 78                                                       | 67                                                            | 47                                                           | 51                                                          | 70                                                      | 65                                                       | 87                                                       | 67                                                        |
| 146                   | 76                   | 13                   | 101                                                           | 66                                                      | 78                                                       | 67                                                            | 47                                                           | 51                                                          | 71                                                      | 65                                                       | 88                                                       | 68                                                        |
| 147                   | 76                   | 35                   | 101                                                           | 67                                                      | 78                                                       | 68                                                            | 47                                                           | 51                                                          | 71                                                      | 65                                                       | 88                                                       | 68                                                        |
| 148                   | 76                   | 56                   | 101                                                           | 66                                                      | 78                                                       | 68                                                            | 47                                                           | 50                                                          | 71                                                      | 65                                                       | 88                                                       | 68                                                        |
| 149                   | 77                   | 17                   | 101                                                           | 66                                                      | 78                                                       | 68                                                            | 46                                                           | 51                                                          | 71                                                      | 65                                                       | 88                                                       | 69                                                        |
| 150                   | 77                   | 38                   | 101                                                           | 66                                                      | 78                                                       | 68                                                            | 48                                                           | 51                                                          | 71                                                      | 65                                                       | 88                                                       | 70                                                        |
| 151                   | 77                   | 0                    | 101                                                           | 67                                                      | 78                                                       | 68                                                            | 47                                                           | 51                                                          | 71                                                      | 65                                                       | 89                                                       | 70                                                        |
| 152                   | 78                   | 21                   | 102                                                           | 67                                                      | 78                                                       | 68                                                            | 48                                                           | 51                                                          | 71                                                      | 66                                                       | 89                                                       | 70                                                        |
| 153                   | 78                   | 42                   | 103                                                           | 68                                                      | 79                                                       | 68                                                            | 48                                                           | 51                                                          | 71                                                      | 66                                                       | 88                                                       | 68                                                        |
| 154                   | 79                   | 3                    | 103                                                           | 68                                                      | 78                                                       | 68                                                            | 49                                                           | 52                                                          | 70                                                      | 66                                                       | 88                                                       | 64                                                        |
| 155                   | 79                   | 25                   | 103                                                           | 67                                                      | 78                                                       | 68                                                            | 49                                                           | 52                                                          | 71                                                      | 66                                                       | 88                                                       | 67                                                        |
| 156                   | 79                   | 46                   | 102                                                           | 67                                                      | 78                                                       | 68                                                            | 49                                                           | 52                                                          | 71                                                      | 66                                                       | 88                                                       | 66                                                        |
| 157                   | 80                   | 7                    | 102                                                           | 67                                                      | 78                                                       | 69                                                            | 49                                                           | 52                                                          | 71                                                      | 66                                                       | 88                                                       | 65                                                        |
| 158                   | 80                   | 20                   | 102                                                           | 66                                                      | 78                                                       | 68                                                            | 48                                                           | 52                                                          | 70                                                      | 66                                                       | 88                                                       | 68                                                        |
| 159                   | 80                   | 58                   | 103                                                           | 66                                                      | 79                                                       | 69                                                            | 48                                                           | 52                                                          | 70                                                      | 66                                                       | 88                                                       | 64                                                        |
| 160                   | 81                   | 11                   | 103                                                           | 65                                                      | 77                                                       | 69                                                            | 49                                                           | 52                                                          | 70                                                      | 66                                                       | 87                                                       | 65                                                        |
| 161                   | 81                   | 32                   | 102                                                           | 66                                                      | 77                                                       | 68                                                            | 48                                                           | 51                                                          | 69                                                      | 65                                                       | 87                                                       | 66                                                        |
| 162                   | 81                   | 54                   | 102                                                           | 66                                                      | 78                                                       | 68                                                            | 49                                                           | 52                                                          | 69                                                      | 65                                                       | 87                                                       | 66                                                        |
| 163                   | 82                   | 15                   | 102                                                           | 66                                                      | 78                                                       | 69                                                            | 49                                                           | 52                                                          | 70                                                      | 66                                                       | 88                                                       | 66                                                        |
| 164                   | 82                   | 36                   | 103                                                           | 66                                                      | 78                                                       | 69                                                            | 48                                                           | 51                                                          | 70                                                      | 66                                                       | 88                                                       | 70                                                        |
| 165                   | 82                   | 50                   | 103                                                           | 66                                                      | 78                                                       | 69                                                            | 49                                                           | 51                                                          | 70                                                      | 66                                                       | 88                                                       | 69                                                        |
| 166                   | 83                   | 19                   | 103                                                           | 66                                                      | 77                                                       | 69                                                            | 49                                                           | 51                                                          | 71                                                      | 66                                                       | 87                                                       | 68                                                        |
| 167                   | 83                   | 40                   | 102                                                           | 66                                                      | 78                                                       | 69                                                            | 48                                                           | 51                                                          | 70                                                      | 65                                                       | 87                                                       | 60                                                        |
| 168                   | 84                   | 2                    | 103                                                           | 66                                                      | 77                                                       | 69                                                            | 48                                                           | 51                                                          | 70                                                      | 65                                                       | 88                                                       | 71                                                        |
| 169                   | 84                   | 23                   | 105                                                           | 66                                                      | 77                                                       | 69                                                            | 48                                                           | 50                                                          | 71                                                      | 65                                                       | 88                                                       | 73                                                        |
| 170                   | 84                   | 44                   | 105                                                           | 67                                                      | 78                                                       | 69                                                            | 48                                                           | 50                                                          | 71                                                      | 66                                                       | 88                                                       | 73                                                        |
| 171                   | 85                   | 6                    | 106                                                           | 68                                                      | 78                                                       | 69                                                            | 47                                                           | 49                                                          | 71                                                      | 67                                                       | 88                                                       | 75                                                        |
| 172                   | 85                   | 27                   | 106                                                           | 69                                                      | 79                                                       | 69                                                            | 47                                                           | 50                                                          | 72                                                      | 68                                                       | 88                                                       | 75                                                        |
| 173                   | 85                   | 49                   | 106                                                           | 69                                                      | 78                                                       | 69                                                            | 47                                                           | 49                                                          | 72                                                      | 68                                                       | 88                                                       | 73                                                        |
| 174                   | 86                   | 10                   | 104                                                           | 71                                                      | 79                                                       | 70                                                            | 47                                                           | 49                                                          | 72                                                      | 68                                                       | 88                                                       | 75                                                        |
| 175                   | 86                   | 31                   | 107                                                           | 71                                                      | 80                                                       | 70                                                            | 48                                                           | 49                                                          | 73                                                      | 68                                                       | 88                                                       | 75                                                        |
| 176                   | 86                   | 51                   | 107                                                           | 71                                                      | 80                                                       | 70                                                            | 48                                                           | 49                                                          | 73                                                      | 70                                                       | 88                                                       | 74                                                        |

| 4-01<br>SNEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>PSTAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAM)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL.<br>AFCS 2<br>(PITCH<br>/ROLL<br>CHAM)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>MINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>MINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 177                    | 87                   | 14                   | 107                                                           | 71                                                      | 61                                                       | 70                                                           | 48                                                           | 48                                                          | 73                                                       | 69                                                       | 89                                                       | 75                                                        |
| 178                    | 87                   | 36                   | 104                                                           | 72                                                      | 61                                                       | 71                                                           | 48                                                           | 50                                                          | 74                                                       | 70                                                       | 89                                                       | 76                                                        |
| 179                    | 87                   | 57                   | 109                                                           | 73                                                      | 82                                                       | 71                                                           | 48                                                           | 50                                                          | 75                                                       | 70                                                       | 90                                                       | 77                                                        |
| 180                    | 88                   | 18                   | 109                                                           | 73                                                      | 82                                                       | 71                                                           | 48                                                           | 50                                                          | 75                                                       | 71                                                       | 89                                                       | 76                                                        |
| 181                    | 88                   | 40                   | 105                                                           | 74                                                      | 82                                                       | 71                                                           | 48                                                           | 50                                                          | 75                                                       | 71                                                       | 90                                                       | 76                                                        |
| 182                    | 89                   | 1                    | 109                                                           | 73                                                      | 83                                                       | 72                                                           | 48                                                           | 50                                                          | 75                                                       | 71                                                       | 90                                                       | 78                                                        |
| 183                    | 89                   | 22                   | 110                                                           | 74                                                      | 83                                                       | 73                                                           | 48                                                           | 51                                                          | 76                                                       | 72                                                       | 91                                                       | 78                                                        |
| 184                    | 89                   | 44                   | 109                                                           | 74                                                      | 83                                                       | 72                                                           | 48                                                           | 51                                                          | 76                                                       | 72                                                       | 91                                                       | 76                                                        |
| 185                    | 89                   | 5                    | 102                                                           | 75                                                      | 84                                                       | 72                                                           | 48                                                           | 51                                                          | 76                                                       | 72                                                       | 91                                                       | 76                                                        |
| 186                    | 90                   | 26                   | 106                                                           | 73                                                      | 83                                                       | 72                                                           | 49                                                           | 51                                                          | 75                                                       | 71                                                       | 91                                                       | 83                                                        |
| 187                    | 90                   | 48                   | 104                                                           | 72                                                      | 83                                                       | 71                                                           | 50                                                           | 51                                                          | 75                                                       | 71                                                       | 91                                                       | 81                                                        |
| 188                    | 91                   | 9                    | 103                                                           | 71                                                      | 83                                                       | 71                                                           | 51                                                           | 51                                                          | 73                                                       | 70                                                       | 91                                                       | 81                                                        |
| 189                    | 91                   | 38                   | 102                                                           | 68                                                      | 83                                                       | 71                                                           | 51                                                           | 51                                                          | 72                                                       | 70                                                       | 91                                                       | 81                                                        |
| 190                    | 91                   | 51                   | 101                                                           | 67                                                      | 82                                                       | 69                                                           | 51                                                           | 51                                                          | 71                                                       | 70                                                       | 91                                                       | 81                                                        |
| 191                    | 92                   | 12                   | 100                                                           | 66                                                      | 81                                                       | 68                                                           | 51                                                           | 51                                                          | 71                                                       | 69                                                       | 91                                                       | 81                                                        |
| 192                    | 92                   | 33                   | 99                                                            | 65                                                      | 80                                                       | 68                                                           | 51                                                           | 51                                                          | 70                                                       | 69                                                       | 90                                                       | 80                                                        |
| 193                    | 92                   | 54                   | 98                                                            | 64                                                      | 79                                                       | 68                                                           | 51                                                           | 51                                                          | 69                                                       | 68                                                       | 89                                                       | 80                                                        |
| 194                    | 93                   | 15                   | 99                                                            | 64                                                      | 79                                                       | 68                                                           | 51                                                           | 51                                                          | 69                                                       | 68                                                       | 89                                                       | 80                                                        |
| 195                    | 93                   | 36                   | 98                                                            | 63                                                      | 78                                                       | 66                                                           | 52                                                           | 51                                                          | 69                                                       | 68                                                       | 89                                                       | 80                                                        |
| 196                    | 93                   | 57                   | 98                                                            | 63                                                      | 78                                                       | 66                                                           | 52                                                           | 51                                                          | 69                                                       | 68                                                       | 89                                                       | 80                                                        |
| 197                    | 94                   | 18                   | 98                                                            | 62                                                      | 77                                                       | 65                                                           | 52                                                           | 51                                                          | 69                                                       | 68                                                       | 89                                                       | 80                                                        |
| 198                    | 94                   | 40                   | 97                                                            | 61                                                      | 76                                                       | 65                                                           | 50                                                           | 50                                                          | 68                                                       | 65                                                       | 87                                                       | 80                                                        |
| 199                    | 95                   | 1                    | 96                                                            | 61                                                      | 76                                                       | 65                                                           | 49                                                           | 50                                                          | 68                                                       | 65                                                       | 86                                                       | 80                                                        |
| 200                    | 95                   | 22                   | 99                                                            | 61                                                      | 75                                                       | 65                                                           | 49                                                           | 50                                                          | 68                                                       | 65                                                       | 86                                                       | 80                                                        |
| 201                    | 95                   | 44                   | 98                                                            | 62                                                      | 75                                                       | 65                                                           | 48                                                           | 51                                                          | 68                                                       | 65                                                       | 86                                                       | 81                                                        |
| 202                    | 96                   | 8                    | 98                                                            | 61                                                      | 75                                                       | 65                                                           | 48                                                           | 50                                                          | 67                                                       | 65                                                       | 86                                                       | 81                                                        |
| 203                    | 96                   | 26                   | 98                                                            | 61                                                      | 75                                                       | 65                                                           | 47                                                           | 49                                                          | 67                                                       | 65                                                       | 86                                                       | 81                                                        |
| 204                    | 96                   | 48                   | 98                                                            | 61                                                      | 75                                                       | 65                                                           | 47                                                           | 49                                                          | 66                                                       | 65                                                       | 86                                                       | 81                                                        |
| 205                    | 97                   | 9                    | 98                                                            | 61                                                      | 74                                                       | 65                                                           | 47                                                           | 49                                                          | 66                                                       | 64                                                       | 86                                                       | 81                                                        |
| 206                    | 97                   | 30                   | 98                                                            | 61                                                      | 75                                                       | 65                                                           | 47                                                           | 49                                                          | 66                                                       | 64                                                       | 86                                                       | 81                                                        |
| 207                    | 97                   | 52                   | 98                                                            | 61                                                      | 73                                                       | 65                                                           | 46                                                           | 49                                                          | 66                                                       | 63                                                       | 85                                                       | 80                                                        |
| 208                    | 98                   | 13                   | 98                                                            | 61                                                      | 74                                                       | 64                                                           | 46                                                           | 49                                                          | 66                                                       | 64                                                       | 85                                                       | 80                                                        |
| 209                    | 98                   | 34                   | 98                                                            | 61                                                      | 73                                                       | 64                                                           | 46                                                           | 49                                                          | 66                                                       | 63                                                       | 85                                                       | 80                                                        |
| 210                    | 98                   | 56                   | 98                                                            | 61                                                      | 74                                                       | 65                                                           | 46                                                           | 49                                                          | 66                                                       | 63                                                       | 85                                                       | 80                                                        |
| 211                    | 99                   | 17                   | 98                                                            | 61                                                      | 73                                                       | 64                                                           | 46                                                           | 49                                                          | 66                                                       | 63                                                       | 85                                                       | 80                                                        |
| 212                    | 99                   | 38                   | 98                                                            | 61                                                      | 73                                                       | 65                                                           | 46                                                           | 49                                                          | 66                                                       | 62                                                       | 85                                                       | 80                                                        |
| 213                    | 99                   | 59                   | 98                                                            | 60                                                      | 73                                                       | 65                                                           | 47                                                           | 49                                                          | 66                                                       | 63                                                       | 85                                                       | 80                                                        |
| 214                    | 100                  | 21                   | 99                                                            | 61                                                      | 73                                                       | 65                                                           | 47                                                           | 49                                                          | 66                                                       | 63                                                       | 85                                                       | 80                                                        |
| 215                    | 100                  | 42                   | 97                                                            | 60                                                      | 74                                                       | 65                                                           | 46                                                           | 50                                                          | 66                                                       | 62                                                       | 85                                                       | 80                                                        |
| 216                    | 101                  | 3                    | 97                                                            | 60                                                      | 72                                                       | 65                                                           | 46                                                           | 49                                                          | 66                                                       | 62                                                       | 83                                                       | 80                                                        |
| 217                    | 101                  | 25                   | 97                                                            | 59                                                      | 72                                                       | 65                                                           | 46                                                           | 49                                                          | 65                                                       | 62                                                       | 83                                                       | 80                                                        |
| 218                    | 101                  | 46                   | 97                                                            | 59                                                      | 71                                                       | 64                                                           | 45                                                           | 49                                                          | 65                                                       | 61                                                       | 83                                                       | 80                                                        |
| 219                    | 102                  | 7                    | 97                                                            | 59                                                      | 71                                                       | 64                                                           | 46                                                           | 48                                                          | 64                                                       | 61                                                       | 83                                                       | 80                                                        |
| 220                    | 102                  | 29                   | 96                                                            | 58                                                      | 71                                                       | 64                                                           | 46                                                           | 48                                                          | 64                                                       | 61                                                       | 83                                                       | 80                                                        |
| 221                    | 102                  | 50                   | 96                                                            | 59                                                      | 71                                                       | 64                                                           | 45                                                           | 49                                                          | 64                                                       | 61                                                       | 83                                                       | 80                                                        |
| 222                    | 103                  | 12                   | 96                                                            | 58                                                      | 71                                                       | 64                                                           | 46                                                           | 48                                                          | 64                                                       | 61                                                       | 83                                                       | 80                                                        |
| 223                    | 103                  | 33                   | 96                                                            | 58                                                      | 71                                                       | 64                                                           | 46                                                           | 48                                                          | 64                                                       | 61                                                       | 83                                                       | 80                                                        |
| 224                    | 103                  | 55                   | 96                                                            | 59                                                      | 71                                                       | 65                                                           | 46                                                           | 49                                                          | 64                                                       | 61                                                       | 83                                                       | 80                                                        |
| 225                    | 104                  | 16                   | 96                                                            | 59                                                      | 71                                                       | 65                                                           | 46                                                           | 49                                                          | 64                                                       | 61                                                       | 83                                                       | 80                                                        |
| 226                    | 104                  | 37                   | 96                                                            | 59                                                      | 71                                                       | 65                                                           | 46                                                           | 48                                                          | 65                                                       | 61                                                       | 83                                                       | 81                                                        |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>ZSTAGE<br>APUS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-19<br>UTIL.<br>APUS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP.<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP.<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>TEMP.<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|--------------------------------------------------------------------|
| 227                   | 103                  | 19                   | 98                                                            | 59                                                       | 71                                                        | 65                                                           | 46                                                            | 48                                                           | 64                                                       | 61                                                        | 83                                                                | 62                                                                 |
| 228                   | 105                  | 20                   | 98                                                            | 59                                                       | 70                                                        | 64                                                           | 46                                                            | 48                                                           | 64                                                       | 60                                                        | 83                                                                | 61                                                                 |
| 229                   | 105                  | 41                   | 97                                                            | 59                                                       | 71                                                        | 64                                                           | 46                                                            | 48                                                           | 64                                                       | 60                                                        | 82                                                                | 62                                                                 |
| 230                   | 106                  | 2                    | 97                                                            | 59                                                       | 71                                                        | 63                                                           | 46                                                            | 48                                                           | 65                                                       | 60                                                        | 82                                                                | 62                                                                 |
| 231                   | 106                  | 24                   | 98                                                            | 60                                                       | 71                                                        | 63                                                           | 46                                                            | 47                                                           | 64                                                       | 60                                                        | 82                                                                | 62                                                                 |
| 232                   | 106                  | 45                   | 98                                                            | 61                                                       | 71                                                        | 63                                                           | 46                                                            | 47                                                           | 65                                                       | 60                                                        | 83                                                                | 62                                                                 |
| 233                   | 107                  | 6                    | 97                                                            | 62                                                       | 72                                                        | 65                                                           | 46                                                            | 46                                                           | 64                                                       | 59                                                        | 82                                                                | 62                                                                 |
| 234                   | 107                  | 28                   | 98                                                            | 61                                                       | 72                                                        | 65                                                           | 46                                                            | 46                                                           | 66                                                       | 60                                                        | 82                                                                | 62                                                                 |
| 235                   | 107                  | 49                   | 98                                                            | 61                                                       | 72                                                        | 66                                                           | 46                                                            | 46                                                           | 66                                                       | 60                                                        | 82                                                                | 63                                                                 |
| 236                   | 108                  | 11                   | 97                                                            | 61                                                       | 71                                                        | 65                                                           | 46                                                            | 46                                                           | 65                                                       | 59                                                        | 82                                                                | 62                                                                 |
| 237                   | 108                  | 32                   | 96                                                            | 61                                                       | 72                                                        | 65                                                           | 45                                                            | 45                                                           | 65                                                       | 59                                                        | 82                                                                | 63                                                                 |
| 238                   | 108                  | 53                   | 96                                                            | 62                                                       | 72                                                        | 65                                                           | 45                                                            | 46                                                           | 65                                                       | 60                                                        | 82                                                                | 64                                                                 |
| 239                   | 109                  | 15                   | 96                                                            | 62                                                       | 72                                                        | 66                                                           | 46                                                            | 46                                                           | 66                                                       | 59                                                        | 83                                                                | 64                                                                 |
| 240                   | 109                  | 36                   | 97                                                            | 61                                                       | 72                                                        | 65                                                           | 46                                                            | 46                                                           | 65                                                       | 60                                                        | 83                                                                | 64                                                                 |
| 241                   | 109                  | 57                   | 98                                                            | 61                                                       | 72                                                        | 66                                                           | 45                                                            | 46                                                           | 65                                                       | 60                                                        | 83                                                                | 64                                                                 |
| 242                   | 110                  | 19                   | 99                                                            | 62                                                       | 72                                                        | 66                                                           | 46                                                            | 46                                                           | 66                                                       | 60                                                        | 83                                                                | 63                                                                 |
| 243                   | 110                  | 40                   | 98                                                            | 62                                                       | 72                                                        | 66                                                           | 45                                                            | 47                                                           | 66                                                       | 60                                                        | 85                                                                | 64                                                                 |
| 244                   | 111                  | 1                    | 98                                                            | 62                                                       | 72                                                        | 66                                                           | 45                                                            | 46                                                           | 66                                                       | 60                                                        | 83                                                                | 53                                                                 |
| 245                   | 111                  | 23                   | 99                                                            | 62                                                       | 73                                                        | 66                                                           | 46                                                            | 46                                                           | 66                                                       | 60                                                        | 83                                                                | 63                                                                 |
| 246                   | 111                  | 44                   | 99                                                            | 62                                                       | 73                                                        | 68                                                           | 47                                                            | 46                                                           | 66                                                       | 61                                                        | 83                                                                | 62                                                                 |
| 247                   | 112                  | 5                    | 99                                                            | 62                                                       | 73                                                        | 67                                                           | 46                                                            | 46                                                           | 66                                                       | 61                                                        | 83                                                                | 62                                                                 |
| 248                   | 112                  | 27                   | 100                                                           | 62                                                       | 73                                                        | 66                                                           | 46                                                            | 46                                                           | 66                                                       | 61                                                        | 83                                                                | 62                                                                 |
| 249                   | 112                  | 48                   | 99                                                            | 62                                                       | 74                                                        | 66                                                           | 46                                                            | 46                                                           | 66                                                       | 61                                                        | 83                                                                | 63                                                                 |
| 250                   | 113                  | 9                    | 99                                                            | 62                                                       | 73                                                        | 67                                                           | 46                                                            | 46                                                           | 65                                                       | 60                                                        | 84                                                                | 61                                                                 |
| 251                   | 113                  | 31                   | 98                                                            | 63                                                       | 73                                                        | 67                                                           | 46                                                            | 48                                                           | 65                                                       | 61                                                        | 84                                                                | 62                                                                 |
| 252                   | 113                  | 52                   | 97                                                            | 62                                                       | 73                                                        | 66                                                           | 46                                                            | 48                                                           | 66                                                       | 61                                                        | 84                                                                | 64                                                                 |
| 253                   | 114                  | 13                   | 99                                                            | 62                                                       | 74                                                        | 66                                                           | 47                                                            | 48                                                           | 67                                                       | 61                                                        | 84                                                                | 65                                                                 |
| 254                   | 114                  | 34                   | 99                                                            | 62                                                       | 74                                                        | 67                                                           | 46                                                            | 49                                                           | 66                                                       | 61                                                        | 84                                                                | 65                                                                 |
| 255                   | 114                  | 55                   | 99                                                            | 63                                                       | 74                                                        | 66                                                           | 48                                                            | 49                                                           | 67                                                       | 62                                                        | 85                                                                | 64                                                                 |
| 256                   | 115                  | 16                   | 100                                                           | 63                                                       | 74                                                        | 66                                                           | 48                                                            | 49                                                           | 67                                                       | 62                                                        | 85                                                                | 65                                                                 |
| 257                   | 115                  | 37                   | 100                                                           | 63                                                       | 73                                                        | 67                                                           | 49                                                            | 51                                                           | 67                                                       | 62                                                        | 85                                                                | 65                                                                 |
| 258                   | 115                  | 58                   | 99                                                            | 63                                                       | 75                                                        | 67                                                           | 50                                                            | 51                                                           | 67                                                       | 62                                                        | 85                                                                | 62                                                                 |
| 259                   | 116                  | 19                   | 96                                                            | 62                                                       | 69                                                        | 66                                                           | 50                                                            | 51                                                           | 63                                                       | 62                                                        | 85                                                                | 60                                                                 |
| 260                   | 116                  | 41                   | 96                                                            | 62                                                       | 71                                                        | 66                                                           | 51                                                            | 51                                                           | 66                                                       | 61                                                        | 82                                                                | 56                                                                 |
| 261                   | 117                  | 2                    | 93                                                            | 59                                                       | 71                                                        | 64                                                           | 51                                                            | 51                                                           | 64                                                       | 61                                                        | 82                                                                | 54                                                                 |
| 262                   | 117                  | 23                   | 92                                                            | 58                                                       | 71                                                        | 64                                                           | 51                                                            | 50                                                           | 63                                                       | 60                                                        | 81                                                                | 52                                                                 |
| 263                   | 117                  | 44                   | 92                                                            | 57                                                       | 70                                                        | 62                                                           | 51                                                            | 50                                                           | 62                                                       | 59                                                        | 82                                                                | 51                                                                 |
| 264                   | 118                  | 5                    | 92                                                            | 57                                                       | 70                                                        | 62                                                           | 50                                                            | 51                                                           | 61                                                       | 59                                                        | 82                                                                | 51                                                                 |
| 265                   | 118                  | 26                   | 92                                                            | 56                                                       | 70                                                        | 61                                                           | 50                                                            | 50                                                           | 61                                                       | 59                                                        | 82                                                                | 52                                                                 |
| 266                   | 118                  | 47                   | 91                                                            | 56                                                       | 70                                                        | 61                                                           | 51                                                            | 49                                                           | 61                                                       | 58                                                        | 82                                                                | 51                                                                 |
| 267                   | 119                  | 8                    | 90                                                            | 54                                                       | 69                                                        | 59                                                           | 50                                                            | 49                                                           | 61                                                       | 58                                                        | 82                                                                | 51                                                                 |
| 268                   | 119                  | 29                   | 89                                                            | 53                                                       | 68                                                        | 59                                                           | 50                                                            | 49                                                           | 60                                                       | 58                                                        | 82                                                                | 51                                                                 |
| 269                   | 119                  | 50                   | 91                                                            | 53                                                       | 68                                                        | 59                                                           | 50                                                            | 49                                                           | 59                                                       | 58                                                        | 81                                                                | 51                                                                 |
| 270                   | 120                  | 11                   | 89                                                            | 54                                                       | 68                                                        | 59                                                           | 50                                                            | 48                                                           | 59                                                       | 58                                                        | 81                                                                | 51                                                                 |
| 271                   | 120                  | 32                   | 89                                                            | 53                                                       | 67                                                        | 58                                                           | 51                                                            | 48                                                           | 59                                                       | 57                                                        | 79                                                                | 52                                                                 |
| 272                   | 120                  | 53                   | 88                                                            | 53                                                       | 66                                                        | 58                                                           | 51                                                            | 46                                                           | 59                                                       | 56                                                        | 79                                                                | 52                                                                 |
| 273                   | 121                  | 14                   | 88                                                            | 52                                                       | 67                                                        | 57                                                           | 51                                                            | 47                                                           | 59                                                       | 56                                                        | 79                                                                | 52                                                                 |
| 274                   | 121                  | 35                   | 86                                                            | 52                                                       | 66                                                        | 57                                                           | 51                                                            | 47                                                           | 59                                                       | 56                                                        | 79                                                                | 52                                                                 |
| 275                   | 121                  | 56                   | 85                                                            | 53                                                       | 66                                                        | 57                                                           | 50                                                            | 48                                                           | 59                                                       | 56                                                        | 78                                                                | 53                                                                 |
| 276                   | 122                  | 17                   | 86                                                            | 52                                                       | 64                                                        | 57                                                           | 51                                                            | 48                                                           | 58                                                       | 56                                                        | 72                                                                | 52                                                                 |

| 21  | 01             | 4-02         | 4-03         | 4-16                                                  | 4-17                                            | 4-18                                             | 4-19                                        | 4-20                                                 | 4-21                                                | 4-22                                            | 4-23                                             | 4-24                                             | 4-25                                              |
|-----|----------------|--------------|--------------|-------------------------------------------------------|-------------------------------------------------|--------------------------------------------------|---------------------------------------------|------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------|
| 00  | SHEEP<br>COUNT | TIME<br>MIN. | TIME<br>SEC. | 2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | AFCS 2<br>(PITCH<br>/ROLL<br>CHAN)<br>DEG.C | ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | WINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DEG.C | UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
| 277 | 38             | 122          | 38           | 85                                                    | 53                                              | 64                                               | 57                                          | 50                                                   | 48                                                  | 58                                              | 57                                               | 78                                               | 53                                                |
| 278 | 59             | 122          | 59           | 85                                                    | 52                                              | 65                                               | 57                                          | 49                                                   | 47                                                  | 58                                              | 57                                               | 78                                               | 53                                                |
| 279 | 20             | 123          | 20           | 86                                                    | 52                                              | 65                                               | 57                                          | 49                                                   | 47                                                  | 57                                              | 56                                               | 77                                               | 52                                                |
| 280 | 42             | 123          | 42           | 85                                                    | 53                                              | 64                                               | 56                                          | 48                                                   | 47                                                  | 57                                              | 55                                               | 77                                               | 52                                                |
| 281 | 3              | 124          | 3            | 85                                                    | 53                                              | 64                                               | 56                                          | 48                                                   | 47                                                  | 56                                              | 55                                               | 77                                               | 52                                                |
| 282 | 24             | 124          | 24           | 85                                                    | 53                                              | 64                                               | 56                                          | 48                                                   | 46                                                  | 56                                              | 55                                               | 76                                               | 51                                                |
| 283 | 45             | 124          | 45           | 85                                                    | 52                                              | 65                                               | 55                                          | 49                                                   | 46                                                  | 56                                              | 55                                               | 76                                               | 52                                                |
| 284 | 6              | 125          | 6            | 85                                                    | 52                                              | 64                                               | 55                                          | 49                                                   | 47                                                  | 56                                              | 55                                               | 77                                               | 52                                                |
| 285 | 27             | 125          | 27           | 85                                                    | 52                                              | 65                                               | 55                                          | 48                                                   | 48                                                  | 55                                              | 55                                               | 76                                               | 52                                                |
| 286 | 48             | 125          | 48           | 83                                                    | 51                                              | 64                                               | 55                                          | 48                                                   | 48                                                  | 55                                              | 54                                               | 76                                               | 51                                                |
| 287 | 9              | 126          | 9            | 82                                                    | 52                                              | 63                                               | 55                                          | 48                                                   | 46                                                  | 55                                              | 54                                               | 78                                               | 51                                                |
| 288 | 30             | 126          | 30           | 82                                                    | 52                                              | 64                                               | 54                                          | 48                                                   | 46                                                  | 55                                              | 53                                               | 78                                               | 51                                                |
| 289 | 51             | 126          | 51           | 82                                                    | 52                                              | 63                                               | 54                                          | 48                                                   | 46                                                  | 55                                              | 53                                               | 76                                               | 51                                                |
| 290 | 12             | 127          | 12           | 81                                                    | 52                                              | 63                                               | 54                                          | 48                                                   | 46                                                  | 55                                              | 53                                               | 76                                               | 51                                                |
| 291 | 34             | 127          | 34           | 81                                                    | 51                                              | 62                                               | 53                                          | 48                                                   | 47                                                  | 55                                              | 53                                               | 75                                               | 50                                                |
| 292 | 54             | 127          | 54           | 82                                                    | 51                                              | 63                                               | 53                                          | 48                                                   | 46                                                  | 55                                              | 53                                               | 75                                               | 51                                                |
| 293 | 15             | 128          | 15           | 83                                                    | 50                                              | 64                                               | 54                                          | 48                                                   | 47                                                  | 56                                              | 56                                               | 77                                               | 51                                                |
| 294 | 35             | 128          | 35           | 84                                                    | 52                                              | 64                                               | 54                                          | 48                                                   | 46                                                  | 55                                              | 55                                               | 78                                               | 52                                                |
| 295 | 56             | 128          | 56           | 83                                                    | 51                                              | 64                                               | 53                                          | 48                                                   | 46                                                  | 55                                              | 54                                               | 77                                               | 52                                                |
| 296 | 17             | 129          | 17           | 82                                                    | 51                                              | 64                                               | 53                                          | 48                                                   | 46                                                  | 55                                              | 54                                               | 76                                               | 52                                                |
| 297 | 38             | 129          | 38           | 82                                                    | 51                                              | 63                                               | 52                                          | 48                                                   | 46                                                  | 55                                              | 54                                               | 76                                               | 52                                                |
| 298 | 59             | 129          | 59           | 82                                                    | 51                                              | 63                                               | 52                                          | 48                                                   | 47                                                  | 54                                              | 54                                               | 76                                               | 51                                                |
| 299 | 21             | 130          | 21           | 82                                                    | 51                                              | 63                                               | 52                                          | 48                                                   | 48                                                  | 54                                              | 54                                               | 75                                               | 51                                                |
| 300 | 42             | 130          | 42           | 82                                                    | 51                                              | 64                                               | 52                                          | 48                                                   | 48                                                  | 54                                              | 54                                               | 75                                               | 51                                                |
| 301 | 3              | 131          | 3            | 83                                                    | 52                                              | 63                                               | 51                                          | 46                                                   | 47                                                  | 55                                              | 55                                               | 76                                               | 51                                                |
| 302 | 24             | 131          | 24           | 82                                                    | 52                                              | 63                                               | 52                                          | 48                                                   | 46                                                  | 56                                              | 55                                               | 77                                               | 52                                                |
| 303 | 45             | 131          | 45           | 82                                                    | 51                                              | 62                                               | 51                                          | 48                                                   | 47                                                  | 54                                              | 54                                               | 76                                               | 51                                                |
| 304 | 6              | 132          | 6            | 83                                                    | 51                                              | 63                                               | 51                                          | 48                                                   | 48                                                  | 55                                              | 54                                               | 76                                               | 52                                                |
| 305 | 27             | 132          | 27           | 83                                                    | 51                                              | 63                                               | 51                                          | 48                                                   | 47                                                  | 55                                              | 54                                               | 77                                               | 52                                                |
| 306 | 48             | 132          | 48           | 83                                                    | 51                                              | 63                                               | 50                                          | 48                                                   | 47                                                  | 55                                              | 54                                               | 76                                               | 53                                                |
| 307 | 10             | 133          | 10           | 85                                                    | 52                                              | 64                                               | 51                                          | 47                                                   | 47                                                  | 56                                              | 54                                               | 78                                               | 53                                                |
| 308 | 31             | 133          | 31           | 85                                                    | 52                                              | 64                                               | 51                                          | 46                                                   | 48                                                  | 56                                              | 54                                               | 77                                               | 55                                                |
| 309 | 52             | 133          | 52           | 86                                                    | 52                                              | 64                                               | 51                                          | 47                                                   | 48                                                  | 57                                              | 56                                               | 78                                               | 56                                                |
| 310 | 13             | 134          | 13           | 88                                                    | 53                                              | 65                                               | 51                                          | 48                                                   | 48                                                  | 57                                              | 55                                               | 77                                               | 58                                                |
| 311 | 34             | 134          | 34           | 88                                                    | 53                                              | 65                                               | 52                                          | 48                                                   | 48                                                  | 57                                              | 55                                               | 77                                               | 57                                                |
| 312 | 56             | 134          | 56           | 89                                                    | 53                                              | 65                                               | 52                                          | 48                                                   | 49                                                  | 58                                              | 55                                               | 78                                               | 58                                                |
| 313 | 17             | 135          | 17           | 89                                                    | 55                                              | 66                                               | 52                                          | 48                                                   | 50                                                  | 58                                              | 55                                               | 78                                               | 58                                                |
| 314 | 38             | 135          | 38           | 89                                                    | 55                                              | 66                                               | 52                                          | 50                                                   | 51                                                  | 59                                              | 56                                               | 78                                               | 58                                                |
| 315 | 59             | 135          | 59           | 90                                                    | 55                                              | 66                                               | 52                                          | 48                                                   | 51                                                  | 59                                              | 56                                               | 79                                               | 59                                                |
| 316 | 20             | 136          | 20           | 92                                                    | 52                                              | 64                                               | 53                                          | 46                                                   | 49                                                  | 60                                              | 56                                               | 79                                               | 59                                                |
| 317 | 42             | 136          | 42           | 92                                                    | 53                                              | 64                                               | 53                                          | 47                                                   | 49                                                  | 61                                              | 57                                               | 79                                               | 59                                                |
| 318 | 3              | 137          | 3            | 91                                                    | 54                                              | 64                                               | 54                                          | 48                                                   | 51                                                  | 61                                              | 58                                               | 78                                               | 59                                                |
| 319 | 24             | 137          | 24           | 91                                                    | 54                                              | 64                                               | 54                                          | 48                                                   | 49                                                  | 61                                              | 57                                               | 78                                               | 59                                                |
| 320 | 45             | 137          | 45           | 93                                                    | 55                                              | 65                                               | 54                                          | 48                                                   | 49                                                  | 61                                              | 58                                               | 78                                               | 59                                                |
| 321 | 6              | 138          | 6            | 94                                                    | 56                                              | 65                                               | 54                                          | 48                                                   | 50                                                  | 61                                              | 58                                               | 78                                               | 59                                                |
| 322 | 28             | 138          | 28           | 94                                                    | 56                                              | 66                                               | 55                                          | 49                                                   | 50                                                  | 61                                              | 58                                               | 79                                               | 60                                                |
| 323 | 50             | 138          | 50           | 94                                                    | 56                                              | 66                                               | 56                                          | 49                                                   | 50                                                  | 62                                              | 59                                               | 79                                               | 59                                                |
| 324 | 11             | 139          | 11           | 98                                                    | 58                                              | 67                                               | 56                                          | 50                                                   | 50                                                  | 62                                              | 59                                               | 80                                               | 59                                                |
| 325 | 32             | 139          | 32           | 91                                                    | 54                                              | 69                                               | 58                                          | 50                                                   | 51                                                  | 62                                              | 58                                               | 80                                               | 59                                                |
| 326 | 53             | 139          | 53           | 86                                                    | 57                                              | 68                                               | 58                                          | 49                                                   | 51                                                  | 62                                              | 58                                               | 82                                               | 64                                                |

| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-16<br>2STAGE<br>AFCS 1<br>(PITCH<br>/ROLL<br>CHANG)<br>DEG.C | 4-17<br>UTIL.<br>PUMP<br>INLET<br>HYD.<br>TEMP<br>DEG.C | 4-18<br>UTIL.<br>PUMP<br>OUTLET<br>HYD.<br>TEMP<br>DEG.C | 4-19<br>UTIL<br>AFCS 2<br>(PITCH<br>/ ROLL<br>CHANG)<br>DEG.C | 4-20<br>ROTARY<br>RUDDER<br>1STAGE<br>INLET<br>TEMP<br>DEG.C | 4-21<br>ROTARY<br>RUDDER<br>UTIL.<br>INLET<br>TEMP<br>DEG.C | 4-22<br>WINCH<br>PUMP<br>INLET<br>HYD.<br>TEMP.<br>DEG.C | 4-23<br>WINCH<br>PUMP<br>OUTLET<br>TEMP<br>HYD.<br>DEG.C | 4-24<br>UTIL.<br>HEAT<br>EXCH.<br>INLET<br>HYD.<br>DEG.C | 4-25<br>UTIL.<br>HEAT<br>EXCH.<br>OUTLET<br>HYD.<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|
| 327                   | 140                  | 14                   | 84                                                             | 58                                                      | 58                                                       | 57                                                            | 50                                                           | 51                                                          | 62                                                       | 59                                                       | 62                                                       | 71                                                        |
| 428                   | 140                  | 35                   | 80                                                             | 59                                                      | 69                                                       | 58                                                            | 51                                                           | 52                                                          | 62                                                       | 59                                                       | 63                                                       | 75                                                        |

MN-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEET<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP<br>ATR.<br>FIRE<br>EXT.<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 32                    | 32                   | 16                   | 48                                                   |
| 33                    | 32                   | 36                   | 48                                                   |
| 34                    | 32                   | 59                   | 48                                                   |
| 35                    | 34                   | 51                   | 48                                                   |
| 36                    | 35                   | 17                   | 48                                                   |
| 37                    | 37                   | 39                   | 48                                                   |
| 38                    | 38                   | 1                    | 48                                                   |
| 39                    | 38                   | 22                   | 48                                                   |
| 40                    | 38                   | 44                   | 47                                                   |
| 41                    | 39                   | 5                    | 46                                                   |
| 42                    | 39                   | 27                   | 47                                                   |
| 43                    | 39                   | 48                   | 47                                                   |
| 44                    | 40                   | 10                   | 46                                                   |
| 45                    | 40                   | 31                   | 45                                                   |
| 46                    | 40                   | 53                   | 46                                                   |
| 47                    | 41                   | 12                   | 46                                                   |
| 48                    | 41                   | 36                   | 45                                                   |
| 49                    | 41                   | 57                   | 45                                                   |
| 50                    | 42                   | 40                   | 46                                                   |
| 51                    | 42                   | 1                    | 46                                                   |
| 52                    | 43                   | 44                   | 45                                                   |
| 53                    | 43                   | 6                    | 46                                                   |
| 54                    | 44                   | 49                   | 45                                                   |
| 55                    | 44                   | 10                   | 45                                                   |
| 56                    | 45                   | 47                   | 47                                                   |
| 57                    | 45                   | 53                   | 51                                                   |
| 58                    | 46                   | 15                   | 51                                                   |
| 59                    | 46                   | 57                   | 51                                                   |
| 60                    | 47                   | 18                   | 52                                                   |
| 61                    | 47                   | 39                   | 53                                                   |
| 62                    | 48                   | 0                    | 52                                                   |
| 63                    | 48                   | 21                   | 52                                                   |
| 64                    | 49                   | 41                   | 53                                                   |
| 65                    | 49                   | 4                    | 52                                                   |
| 66                    | 49                   | 25                   | 52                                                   |
| 67                    | 50                   | 46                   | 53                                                   |
| 68                    | 50                   | 7                    | 54                                                   |
| 69                    | 50                   | 28                   | 54                                                   |
| 70                    | 50                   | 49                   | 54                                                   |
| 71                    | 51                   | 10                   | 54                                                   |
| 72                    | 51                   | 31                   | 54                                                   |

| -81<br>SWEEP<br>COUNT | 4-82<br>TIME<br>MIN. | 4-83<br>TIME<br>SEC. | 4-26<br>APP<br>HTR.<br>FIRE<br>EXT.<br>HAAS<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------|
| 77                    | 51                   | 52                   | 55                                                   |
| 78                    | 52                   | 13                   | 55                                                   |
| 79                    | 52                   | 34                   | 55                                                   |
| 80                    | 52                   | 56                   | 55                                                   |
| 81                    | 53                   | 17                   | 55                                                   |
| 82                    | 53                   | 38                   | 55                                                   |
| 83                    | 53                   | 59                   | 55                                                   |
| 84                    | 54                   | 20                   | 56                                                   |
| 85                    | 54                   | 41                   | 55                                                   |
| 86                    | 55                   | 2                    | 55                                                   |
| 87                    | 55                   | 24                   | 55                                                   |
| 88                    | 55                   | 45                   | 55                                                   |
| 89                    | 56                   | 6                    | 56                                                   |
| 90                    | 56                   | 27                   | 56                                                   |
| 91                    | 56                   | 48                   | 56                                                   |
| 92                    | 57                   | 30                   | 56                                                   |
| 93                    | 57                   | 51                   | 57                                                   |
| 94                    | 57                   | 33                   | 57                                                   |
| 95                    | 58                   | 54                   | 58                                                   |
| 96                    | 58                   | 35                   | 59                                                   |
| 97                    | 59                   | 16                   | 59                                                   |
| 98                    | 59                   | 37                   | 59                                                   |
| 99                    | 59                   | 58                   | 59                                                   |
| 100                   | 60                   | 19                   | 59                                                   |
| 101                   | 60                   | 40                   | 59                                                   |
| 102                   | 60                   | 61                   | 59                                                   |
| 103                   | 61                   | 21                   | 59                                                   |
| 104                   | 61                   | 42                   | 59                                                   |
| 105                   | 62                   | 3                    | 59                                                   |
| 106                   | 62                   | 24                   | 59                                                   |
| 107                   | 62                   | 45                   | 59                                                   |
| 108                   | 63                   | 7                    | 59                                                   |
| 109                   | 63                   | 28                   | 59                                                   |
| 110                   | 63                   | 49                   | 60                                                   |
| 111                   | 64                   | 10                   | 60                                                   |
| 112                   | 64                   | 32                   | 60                                                   |
| 113                   | 64                   | 53                   | 60                                                   |
| 114                   | 65                   | 14                   | 61                                                   |
| 115                   | 65                   | 35                   | 62                                                   |
| 116                   | 65                   | 57                   | 61                                                   |
| 117                   | 65                   | 3                    | 62                                                   |
| 118                   | 66                   | 33                   | 62                                                   |
| 119                   | 67                   | 1                    | 62                                                   |
| 120                   | 67                   | 22                   | 61                                                   |
| 121                   | 67                   | 43                   | 61                                                   |
| 122                   | 67                   | 5                    | 61                                                   |
| 123                   | 68                   | 26                   | 61                                                   |
| 124                   | 68                   | 47                   | 61                                                   |
| 125                   | 68                   | 60                   | 60                                                   |
| 126                   | 69                   |                      |                                                      |



| 000 | -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP.<br>FIRE<br>EXT.<br>MASS<br>DEG.C |
|-----|-----------------------|----------------------|----------------------|-----------------------------------------------|
| 127 | 69                    | 30                   | 60                   |                                               |
| 128 | 69                    | 51                   | 60                   |                                               |
| 129 | 70                    | 12                   | 60                   |                                               |
| 130 | 70                    | 33                   | 60                   |                                               |
| 131 | 70                    | 55                   | 60                   |                                               |
| 132 | 71                    | 16                   | 60                   |                                               |
| 133 | 71                    | 37                   | 60                   |                                               |
| 134 | 71                    | 58                   | 60                   |                                               |
| 135 | 72                    | 20                   | 60                   |                                               |
| 136 | 72                    | 41                   | 60                   |                                               |
| 137 | 73                    | 2                    | 60                   |                                               |
| 138 | 73                    | 23                   | 60                   |                                               |
| 139 | 73                    | 45                   | 60                   |                                               |
| 140 | 74                    | 6                    | 60                   |                                               |
| 141 | 74                    | 27                   | 60                   |                                               |
| 142 | 74                    | 48                   | 60                   |                                               |
| 143 | 75                    | 9                    | 60                   |                                               |
| 144 | 75                    | 31                   | 60                   |                                               |
| 145 | 75                    | 52                   | 59                   |                                               |
| 146 | 76                    | 13                   | 60                   |                                               |
| 147 | 76                    | 35                   | 60                   |                                               |
| 148 | 76                    | 56                   | 60                   |                                               |
| 149 | 77                    | 17                   | 61                   |                                               |
| 150 | 77                    | 38                   | 60                   |                                               |
| 151 | 78                    | 0                    | 60                   |                                               |
| 152 | 78                    | 21                   | 60                   |                                               |
| 153 | 78                    | 42                   | 61                   |                                               |
| 154 | 79                    | 3                    | 60                   |                                               |
| 155 | 79                    | 25                   | 60                   |                                               |
| 156 | 79                    | 46                   | 60                   |                                               |
| 157 | 80                    | 7                    | 60                   |                                               |
| 158 | 80                    | 28                   | 60                   |                                               |
| 159 | 80                    | 50                   | 59                   |                                               |
| 160 | 81                    | 11                   | 60                   |                                               |
| 161 | 81                    | 32                   | 59                   |                                               |
| 162 | 81                    | 54                   | 59                   |                                               |
| 163 | 82                    | 15                   | 59                   |                                               |
| 164 | 82                    | 36                   | 60                   |                                               |
| 165 | 82                    | 58                   | 61                   |                                               |
| 166 | 83                    | 19                   | 59                   |                                               |
| 167 | 83                    | 40                   | 60                   |                                               |
| 168 | 84                    | 2                    | 60                   |                                               |
| 169 | 84                    | 23                   | 60                   |                                               |
| 170 | 84                    | 44                   | 61                   |                                               |
| 171 | 85                    | 6                    | 61                   |                                               |
| 172 | 85                    | 27                   | 61                   |                                               |
| 173 | 85                    | 49                   | 62                   |                                               |
| 174 | 86                    | 10                   | 62                   |                                               |
| 175 | 86                    | 31                   | 62                   |                                               |
| 176 | 86                    | 53                   | 64                   |                                               |

| -01<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP.<br>HTR.<br>FIRE<br>EXT.<br>PASS<br>DECC |
|--------------|----------------------|----------------------|------------------------------------------------------|
| 177          | 67                   | 14                   | 64                                                   |
| 178          | 67                   | 36                   | 64                                                   |
| 179          | 67                   | 57                   | 64                                                   |
| 180          | 68                   | 18                   | 65                                                   |
| 181          | 68                   | 40                   | 65                                                   |
| 182          | 69                   | 1                    | 65                                                   |
| 183          | 69                   | 22                   | 65                                                   |
| 184          | 69                   | 44                   | 65                                                   |
| 185          | 90                   | 5                    | 63                                                   |
| 186          | 90                   | 26                   | 62                                                   |
| 187          | 90                   | 40                   | 61                                                   |
| 188          | 91                   | 9                    | 59                                                   |
| 189          | 91                   | 30                   | 58                                                   |
| 190          | 91                   | 51                   | 58                                                   |
| 191          | 92                   | 12                   | 56                                                   |
| 192          | 92                   | 33                   | 55                                                   |
| 193          | 92                   | 54                   | 54                                                   |
| 194          | 93                   | 15                   | 54                                                   |
| 195          | 93                   | 36                   | 55                                                   |
| 196          | 93                   | 57                   | 55                                                   |
| 197          | 94                   | 18                   | 54                                                   |
| 198          | 94                   | 40                   | 54                                                   |
| 199          | 95                   | 1                    | 55                                                   |
| 200          | 95                   | 22                   | 55                                                   |
| 201          | 95                   | 44                   | 56                                                   |
| 202          | 96                   | 5                    | 55                                                   |
| 203          | 96                   | 26                   | 55                                                   |
| 204          | 96                   | 48                   | 55                                                   |
| 205          | 97                   | 9                    | 55                                                   |
| 206          | 97                   | 30                   | 55                                                   |
| 207          | 97                   | 52                   | 55                                                   |
| 208          | 98                   | 13                   | 54                                                   |
| 209          | 98                   | 34                   | 55                                                   |
| 210          | 98                   | 56                   | 55                                                   |
| 211          | 99                   | 17                   | 54                                                   |
| 212          | 99                   | 38                   | 54                                                   |
| 213          | 99                   | 59                   | 54                                                   |
| 214          | 100                  | 21                   | 54                                                   |
| 215          | 100                  | 42                   | 54                                                   |
| 216          | 101                  | 3                    | 54                                                   |
| 217          | 101                  | 25                   | 54                                                   |
| 218          | 101                  | 46                   | 53                                                   |
| 219          | 102                  | 7                    | 53                                                   |
| 220          | 102                  | 29                   | 53                                                   |
| 221          | 102                  | 50                   | 53                                                   |
| 222          | 103                  | 12                   | 52                                                   |
| 223          | 103                  | 33                   | 52                                                   |
| 224          | 103                  | 55                   | 53                                                   |
| 225          | 104                  | 16                   | 52                                                   |
| 216          | 104                  | 37                   | 52                                                   |

| -01<br>SHEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP.<br>HTR.<br>FIRE<br>EXT.<br>MASS<br>DESC. |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|
| 227                   | 103                  | 19                   | 53                                                    |
| 228                   | 105                  | 20                   | 54                                                    |
| 229                   | 105                  | 41                   | 54                                                    |
| 230                   | 106                  | 2                    | 54                                                    |
| 231                   | 106                  | 24                   | 54                                                    |
| 232                   | 106                  | 45                   | 54                                                    |
| 233                   | 107                  | 6                    | 54                                                    |
| 234                   | 107                  | 20                   | 55                                                    |
| 235                   | 107                  | 49                   | 55                                                    |
| 236                   | 108                  | 11                   | 55                                                    |
| 237                   | 108                  | 32                   | 54                                                    |
| 238                   | 108                  | 53                   | 54                                                    |
| 239                   | 109                  | 15                   | 54                                                    |
| 240                   | 109                  | 36                   | 53                                                    |
| 241                   | 109                  | 57                   | 54                                                    |
| 242                   | 110                  | 19                   | 54                                                    |
| 243                   | 110                  | 40                   | 54                                                    |
| 244                   | 111                  | 1                    | 54                                                    |
| 245                   | 111                  | 23                   | 54                                                    |
| 246                   | 111                  | 44                   | 55                                                    |
| 247                   | 112                  | 5                    | 55                                                    |
| 248                   | 112                  | 27                   | 55                                                    |
| 249                   | 112                  | 48                   | 55                                                    |
| 250                   | 113                  | 9                    | 54                                                    |
| 251                   | 113                  | 31                   | 55                                                    |
| 252                   | 113                  | 52                   | 55                                                    |
| 253                   | 114                  | 13                   | 55                                                    |
| 254                   | 114                  | 34                   | 56                                                    |
| 255                   | 114                  | 55                   | 57                                                    |
| 256                   | 115                  | 16                   | 57                                                    |
| 257                   | 115                  | 37                   | 58                                                    |
| 258                   | 115                  | 58                   | 56                                                    |
| 259                   | 116                  | 19                   | 55                                                    |
| 260                   | 116                  | 41                   | 54                                                    |
| 261                   | 117                  | 2                    | 53                                                    |
| 262                   | 117                  | 23                   | 52                                                    |
| 263                   | 117                  | 44                   | 51                                                    |
| 264                   | 118                  | 5                    | 51                                                    |
| 265                   | 118                  | 26                   | 50                                                    |
| 266                   | 118                  | 47                   | 50                                                    |
| 267                   | 117                  | 8                    | 49                                                    |
| 268                   | 119                  | 29                   | 50                                                    |
| 269                   | 119                  | 50                   | 43                                                    |
| 270                   | 120                  | 11                   | 49                                                    |
| 271                   | 120                  | 32                   | 48                                                    |
| 272                   | 120                  | 53                   | 48                                                    |
| 273                   | 121                  | 14                   | 47                                                    |
| 274                   | 121                  | 35                   | 47                                                    |
| 275                   | 121                  | 56                   | 47                                                    |
| 276                   | 122                  | 17                   | 48                                                    |

| -01<br>SWEEP<br>COUNT | 4-02<br>TIME<br>MIN. | 4-03<br>TIME<br>SEC. | 4-26<br>APP.<br>HTR.<br>FIRE<br>EXT.<br>MASS<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------|
| 277                   | 122                  | 38                   | 47                                                    |
| 278                   | 122                  | 59                   | 48                                                    |
| 279                   | 123                  | 20                   | 47                                                    |
| 280                   | 123                  | 42                   | 48                                                    |
| 281                   | 124                  | 3                    | 48                                                    |
| 282                   | 124                  | 24                   | 48                                                    |
| 283                   | 124                  | 45                   | 47                                                    |
| 284                   | 125                  | 6                    | 47                                                    |
| 285                   | 125                  | 27                   | 46                                                    |
| 286                   | 125                  | 48                   | 46                                                    |
| 287                   | 126                  | 9                    | 46                                                    |
| 288                   | 126                  | 30                   | 45                                                    |
| 289                   | 126                  | 51                   | 46                                                    |
| 290                   | 127                  | 12                   | 45                                                    |
| 291                   | 127                  | 34                   | 45                                                    |
| 292                   | 127                  | 54                   | 46                                                    |
| 293                   | 128                  | 15                   | 45                                                    |
| 294                   | 128                  | 35                   | 46                                                    |
| 295                   | 128                  | 56                   | 46                                                    |
| 296                   | 129                  | 17                   | 47                                                    |
| 297                   | 129                  | 38                   | 47                                                    |
| 298                   | 129                  | 59                   | 47                                                    |
| 299                   | 130                  | 21                   | 47                                                    |
| 300                   | 130                  | 42                   | 46                                                    |
| 301                   | 131                  | 3                    | 46                                                    |
| 302                   | 131                  | 24                   | 47                                                    |
| 303                   | 131                  | 45                   | 46                                                    |
| 304                   | 132                  | 6                    | 46                                                    |
| 305                   | 132                  | 27                   | 46                                                    |
| 306                   | 132                  | 48                   | 47                                                    |
| 307                   | 133                  | 10                   | 48                                                    |
| 308                   | 133                  | 31                   | 48                                                    |
| 309                   | 133                  | 52                   | 49                                                    |
| 310                   | 134                  | 13                   | 49                                                    |
| 311                   | 134                  | 34                   | 51                                                    |
| 312                   | 134                  | 56                   | 51                                                    |
| 313                   | 135                  | 17                   | 51                                                    |
| 314                   | 135                  | 38                   | 52                                                    |
| 315                   | 135                  | 59                   | 52                                                    |
| 316                   | 136                  | 20                   | 52                                                    |
| 317                   | 136                  | 42                   | 52                                                    |
| 318                   | 137                  | 3                    | 53                                                    |
| 319                   | 137                  | 24                   | 53                                                    |
| 320                   | 137                  | 45                   | 54                                                    |
| 321                   | 138                  | 6                    | 54                                                    |
| 322                   | 139                  | 28                   | 54                                                    |
| 323                   | 139                  | 50                   | 54                                                    |
| 324                   | 139                  | 11                   | 55                                                    |
| 325                   | 139                  | 32                   | 55                                                    |
| 326                   | 139                  | 53                   | 54                                                    |

4-26  
APP  
HTR.  
FIRE  
EXT.  
WASS  
DEG.C

54  
53

4-03  
TIME  
SEC.

14  
35

4-02  
TIME  
MIN.

140  
140

-01  
SHEEP  
COUNT

327  
328

386

44-53C S/N 60-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/TLEV<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 32                    | 32                   | 19                   | 43                                                      | 43                                                      | 49                                                       | 44                                                      | 47                                                          | 44                                                         | 45                                                          | 46                                                         | 48                                                      | 62                                                       |
| 33                    | 33                   | 40                   | 43                                                      | 43                                                      | 49                                                       | 44                                                      | 47                                                          | 44                                                         | 46                                                          | 46                                                         | 48                                                      | 62                                                       |
| 34                    | 33                   | 2                    | 43                                                      | 43                                                      | 49                                                       | 44                                                      | 47                                                          | 44                                                         | 47                                                          | 46                                                         | 47                                                      | 62                                                       |
| 35                    | 34                   | 53                   | 44                                                      | 44                                                      | 50                                                       | 44                                                      | 47                                                          | 44                                                         | 47                                                          | 47                                                         | 48                                                      | 63                                                       |
| 36                    | 35                   | 19                   | 44                                                      | 44                                                      | 46                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 45                                                      | 59                                                       |
| 37                    | 37                   | 42                   | 41                                                      | 41                                                      | 47                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 46                                                      | 59                                                       |
| 38                    | 38                   | 3                    | 42                                                      | 42                                                      | 48                                                       | 42                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 47                                                      | 60                                                       |
| 39                    | 38                   | 25                   | 41                                                      | 42                                                      | 48                                                       | 41                                                      | 45                                                          | 41                                                         | 45                                                          | 45                                                         | 46                                                      | 59                                                       |
| 40                    | 38                   | 46                   | 42                                                      | 41                                                      | 47                                                       | 41                                                      | 45                                                          | 41                                                         | 45                                                          | 44                                                         | 46                                                      | 59                                                       |
| 41                    | 40                   | 6                    | 41                                                      | 41                                                      | 48                                                       | 42                                                      | 45                                                          | 42                                                         | 45                                                          | 44                                                         | 46                                                      | 60                                                       |
| 42                    | 39                   | 29                   | 41                                                      | 41                                                      | 48                                                       | 42                                                      | 44                                                          | 42                                                         | 45                                                          | 45                                                         | 46                                                      | 59                                                       |
| 43                    | 39                   | 51                   | 41                                                      | 41                                                      | 47                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 46                                                      | 59                                                       |
| 44                    | 40                   | 12                   | 41                                                      | 41                                                      | 48                                                       | 41                                                      | 44                                                          | 42                                                         | 45                                                          | 45                                                         | 47                                                      | 60                                                       |
| 45                    | 40                   | 34                   | 41                                                      | 41                                                      | 46                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 46                    | 40                   | 55                   | 41                                                      | 41                                                      | 47                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 47                    | 41                   | 17                   | 41                                                      | 41                                                      | 46                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 48                    | 41                   | 38                   | 41                                                      | 41                                                      | 47                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 49                    | 42                   | 8                    | 41                                                      | 42                                                      | 47                                                       | 41                                                      | 44                                                          | 41                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 50                    | 42                   | 21                   | 41                                                      | 41                                                      | 48                                                       | 41                                                      | 44                                                          | 41                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 51                    | 42                   | 43                   | 41                                                      | 41                                                      | 47                                                       | 41                                                      | 44                                                          | 41                                                         | 45                                                          | 44                                                         | 48                                                      | 59                                                       |
| 52                    | 43                   | 4                    | 41                                                      | 40                                                      | 46                                                       | 41                                                      | 44                                                          | 41                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 53                    | 43                   | 25                   | 41                                                      | 41                                                      | 47                                                       | 41                                                      | 44                                                          | 42                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 54                    | 43                   | 47                   | 41                                                      | 41                                                      | 46                                                       | 41                                                      | 44                                                          | 42                                                         | 45                                                          | 44                                                         | 48                                                      | 59                                                       |
| 55                    | 44                   | 8                    | 41                                                      | 41                                                      | 47                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 44                                                         | 48                                                      | 59                                                       |
| 56                    | 44                   | 30                   | 41                                                      | 41                                                      | 48                                                       | 41                                                      | 45                                                          | 42                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 57                    | 44                   | 51                   | 42                                                      | 41                                                      | 49                                                       | 41                                                      | 44                                                          | 42                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 58                    | 45                   | 13                   | 41                                                      | 41                                                      | 47                                                       | 42                                                      | 44                                                          | 42                                                         | 45                                                          | 44                                                         | 48                                                      | 59                                                       |
| 59                    | 45                   | 34                   | 41                                                      | 41                                                      | 46                                                       | 41                                                      | 44                                                          | 41                                                         | 45                                                          | 45                                                         | 48                                                      | 59                                                       |
| 60                    | 45                   | 56                   | 41                                                      | 41                                                      | 45                                                       | 40                                                      | 44                                                          | 42                                                         | 45                                                          | 44                                                         | 48                                                      | 59                                                       |
| 61                    | 46                   | 17                   | 44                                                      | 44                                                      | 50                                                       | 44                                                      | 47                                                          | 45                                                         | 48                                                          | 44                                                         | 49                                                      | 62                                                       |
| 62                    | 46                   | 53                   | 44                                                      | 44                                                      | 50                                                       | 44                                                      | 47                                                          | 45                                                         | 48                                                          | 48                                                         | 49                                                      | 62                                                       |
| 63                    | 46                   | 20                   | 45                                                      | 44                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 64                    | 47                   | 42                   | 45                                                      | 45                                                      | 50                                                       | 44                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 65                    | 47                   | 4                    | 45                                                      | 45                                                      | 50                                                       | 44                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 66                    | 48                   | 3                    | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 67                    | 48                   | 24                   | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 68                    | 48                   | 6                    | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 69                    | 49                   | 27                   | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 70                    | 49                   | 48                   | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 71                    | 49                   | 3                    | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 72                    | 50                   | 9                    | 45                                                      | 44                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 73                    | 50                   | 30                   | 45                                                      | 44                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 74                    | 50                   | 51                   | 45                                                      | 44                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 75                    | 51                   | 12                   | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |
| 76                    | 51                   | 34                   | 45                                                      | 45                                                      | 50                                                       | 45                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 49                                                      | 62                                                       |

| W<br>S | -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG-1<br>OIL<br>TANK<br>TEMP<br>DEG.C | 5-06<br>ENG-1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG-1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG-1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG-1<br>N.G.O.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG-1<br>N.G.O.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG-2<br>N.G.O.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG-2<br>N.G.O.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG-2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG-2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|--------|-----------------------|----------------------|----------------------|-----------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 77     | 77                    | 51                   | 55                   | 45                                            | 45                                                      | 51                                                       | 45                                                      | 40                                                          | 45                                                         | 40                                                          | 48                                                         | 50                                                      | 52                                                       |
| 78     | 78                    | 52                   | 16                   | 44                                            | 44                                                      | 50                                                       | 44                                                      | 40                                                          | 46                                                         | 40                                                          | 48                                                         | 50                                                      | 52                                                       |
| 79     | 79                    | 52                   | 37                   | 44                                            | 45                                                      | 49                                                       | 45                                                      | 47                                                          | 45                                                         | 48                                                          | 48                                                         | 50                                                      | 52                                                       |
| 80     | 80                    | 52                   | 58                   | 45                                            | 44                                                      | 49                                                       | 45                                                      | 47                                                          | 45                                                         | 48                                                          | 48                                                         | 49                                                      | 52                                                       |
| 81     | 81                    | 53                   | 19                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 48                                                          | 48                                                         | 49                                                      | 52                                                       |
| 82     | 82                    | 53                   | 40                   | 44                                            | 44                                                      | 49                                                       | 44                                                      | 47                                                          | 44                                                         | 48                                                          | 51                                                         | 51                                                      | 52                                                       |
| 83     | 83                    | 54                   | 2                    | 45                                            | 44                                                      | 50                                                       | 44                                                      | 46                                                          | 45                                                         | 48                                                          | 48                                                         | 52                                                      | 52                                                       |
| 84     | 84                    | 54                   | 23                   | 44                                            | 45                                                      | 49                                                       | 45                                                      | 48                                                          | 45                                                         | 48                                                          | 48                                                         | 53                                                      | 54                                                       |
| 85     | 85                    | 54                   | 44                   | 44                                            | 45                                                      | 49                                                       | 45                                                      | 48                                                          | 45                                                         | 47                                                          | 48                                                         | 53                                                      | 54                                                       |
| 86     | 86                    | 55                   | 44                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 47                                                          | 45                                                         | 47                                                          | 48                                                         | 53                                                      | 55                                                       |
| 87     | 87                    | 55                   | 5                    | 45                                            | 45                                                      | 49                                                       | 45                                                      | 46                                                          | 45                                                         | 48                                                          | 48                                                         | 53                                                      | 55                                                       |
| 88     | 88                    | 55                   | 26                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 49                                                          | 48                                                         | 53                                                      | 58                                                       |
| 89     | 89                    | 55                   | 47                   | 45                                            | 44                                                      | 49                                                       | 45                                                      | 46                                                          | 45                                                         | 49                                                          | 53                                                         | 58                                                      | 59                                                       |
| 90     | 90                    | 56                   | 8                    | 44                                            | 45                                                      | 49                                                       | 44                                                      | 47                                                          | 45                                                         | 52                                                          | 54                                                         | 72                                                      | 61                                                       |
| 91     | 91                    | 56                   | 29                   | 44                                            | 45                                                      | 49                                                       | 44                                                      | 47                                                          | 45                                                         | 52                                                          | 55                                                         | 72                                                      | 62                                                       |
| 92     | 92                    | 56                   | 58                   | 44                                            | 45                                                      | 48                                                       | 44                                                      | 46                                                          | 45                                                         | 54                                                          | 56                                                         | 73                                                      | 64                                                       |
| 93     | 93                    | 57                   | 11                   | 44                                            | 44                                                      | 49                                                       | 44                                                      | 46                                                          | 45                                                         | 56                                                          | 56                                                         | 73                                                      | 66                                                       |
| 94     | 94                    | 57                   | 32                   | 44                                            | 45                                                      | 49                                                       | 44                                                      | 46                                                          | 45                                                         | 56                                                          | 56                                                         | 73                                                      | 66                                                       |
| 95     | 95                    | 58                   | 14                   | 45                                            | 44                                                      | 47                                                       | 44                                                      | 46                                                          | 45                                                         | 61                                                          | 70                                                         | 85                                                      | 65                                                       |
| 96     | 96                    | 58                   | 39                   | 45                                            | 44                                                      | 47                                                       | 44                                                      | 46                                                          | 45                                                         | 64                                                          | 77                                                         | 87                                                      | 68                                                       |
| 97     | 97                    | 58                   | 56                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 46                                                          | 45                                                         | 69                                                          | 82                                                         | 89                                                      | 70                                                       |
| 98     | 98                    | 59                   | 17                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 47                                                          | 45                                                         | 71                                                          | 82                                                         | 92                                                      | 72                                                       |
| 99     | 99                    | 59                   | 38                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 74                                                          | 82                                                         | 95                                                      | 75                                                       |
| 100    | 100                   | 59                   | 59                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 76                                                          | 82                                                         | 95                                                      | 75                                                       |
| 101    | 101                   | 60                   | 20                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 77                                                          | 82                                                         | 95                                                      | 75                                                       |
| 102    | 102                   | 60                   | 41                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 78                                                          | 82                                                         | 95                                                      | 75                                                       |
| 103    | 103                   | 61                   | 2                    | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 104    | 104                   | 61                   | 23                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 105    | 105                   | 62                   | 6                    | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 106    | 106                   | 62                   | 27                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 107    | 107                   | 62                   | 48                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 108    | 108                   | 62                   | 9                    | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 109    | 109                   | 63                   | 30                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 110    | 110                   | 63                   | 52                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 111    | 111                   | 63                   | 13                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 112    | 112                   | 64                   | 34                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 113    | 113                   | 64                   | 55                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 114    | 114                   | 64                   | 17                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 115    | 115                   | 65                   | 38                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 116    | 116                   | 65                   | 59                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 117    | 117                   | 65                   | 20                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 118    | 118                   | 66                   | 42                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 119    | 119                   | 66                   | 67                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 120    | 120                   | 67                   | 3                    | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 121    | 121                   | 67                   | 24                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 122    | 122                   | 67                   | 46                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 123    | 123                   | 68                   | 7                    | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 124    | 124                   | 68                   | 26                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 125    | 125                   | 68                   | 50                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |
| 126    | 126                   | 69                   | 11                   | 45                                            | 44                                                      | 49                                                       | 44                                                      | 48                                                          | 45                                                         | 79                                                          | 82                                                         | 95                                                      | 75                                                       |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/3LEV<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.S.B.<br>COOLER<br>OIL<br>DEG.C | 5-10<br>ENG.2<br>N.S.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.S.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.S.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 127                   | 69                   | 32                   | 85                                                      | 112                                                     | 85                                                       | 39                                                      | 81                                                | 108                                                        | 89                                                          | 115                                                        | 119                                                     | 91                                                       |
| 128                   | 69                   | 53                   | 86                                                      | 113                                                     | 86                                                       | 38                                                      | 82                                                | 108                                                        | 90                                                          | 115                                                        | 119                                                     | 92                                                       |
| 129                   | 70                   | 15                   | 86                                                      | 114                                                     | 89                                                       | 38                                                      | 85                                                | 109                                                        | 91                                                          | 116                                                        | 120                                                     | 95                                                       |
| 130                   | 70                   | 36                   | 87                                                      | 115                                                     | 89                                                       | 39                                                      | 83                                                | 109                                                        | 91                                                          | 116                                                        | 122                                                     | 94                                                       |
| 131                   | 70                   | 57                   | 88                                                      | 116                                                     | 88                                                       | 38                                                      | 83                                                | 110                                                        | 91                                                          | 116                                                        | 122                                                     | 93                                                       |
| 132                   | 71                   | 18                   | 88                                                      | 116                                                     | 88                                                       | 39                                                      | 83                                                | 110                                                        | 91                                                          | 117                                                        | 123                                                     | 93                                                       |
| 133                   | 71                   | 40                   | 88                                                      | 116                                                     | 88                                                       | 38                                                      | 82                                                | 111                                                        | 91                                                          | 117                                                        | 123                                                     | 97                                                       |
| 134                   | 72                   | 1                    | 88                                                      | 116                                                     | 89                                                       | 38                                                      | 85                                                | 111                                                        | 92                                                          | 117                                                        | 123                                                     | 96                                                       |
| 135                   | 72                   | 22                   | 88                                                      | 117                                                     | 90                                                       | 38                                                      | 84                                                | 111                                                        | 92                                                          | 118                                                        | 124                                                     | 95                                                       |
| 136                   | 72                   | 43                   | 88                                                      | 117                                                     | 89                                                       | 39                                                      | 83                                                | 112                                                        | 92                                                          | 118                                                        | 124                                                     | 94                                                       |
| 137                   | 73                   | 4                    | 89                                                      | 118                                                     | 89                                                       | 39                                                      | 83                                                | 112                                                        | 92                                                          | 118                                                        | 124                                                     | 94                                                       |
| 138                   | 73                   | 26                   | 89                                                      | 118                                                     | 89                                                       | 38                                                      | 83                                                | 112                                                        | 92                                                          | 118                                                        | 125                                                     | 94                                                       |
| 139                   | 73                   | 47                   | 90                                                      | 119                                                     | 91                                                       | 38                                                      | 85                                                | 112                                                        | 92                                                          | 118                                                        | 125                                                     | 95                                                       |
| 140                   | 74                   | 8                    | 91                                                      | 120                                                     | 91                                                       | 39                                                      | 85                                                | 113                                                        | 93                                                          | 119                                                        | 125                                                     | 96                                                       |
| 141                   | 74                   | 29                   | 91                                                      | 120                                                     | 90                                                       | 39                                                      | 84                                                | 113                                                        | 93                                                          | 119                                                        | 126                                                     | 96                                                       |
| 142                   | 74                   | 51                   | 90                                                      | 119                                                     | 89                                                       | 39                                                      | 84                                                | 113                                                        | 93                                                          | 119                                                        | 126                                                     | 98                                                       |
| 143                   | 75                   | 12                   | 90                                                      | 119                                                     | 90                                                       | 39                                                      | 85                                                | 113                                                        | 93                                                          | 119                                                        | 126                                                     | 96                                                       |
| 144                   | 75                   | 33                   | 89                                                      | 119                                                     | 89                                                       | 39                                                      | 85                                                | 113                                                        | 92                                                          | 119                                                        | 126                                                     | 96                                                       |
| 145                   | 75                   | 54                   | 89                                                      | 119                                                     | 89                                                       | 38                                                      | 84                                                | 113                                                        | 92                                                          | 119                                                        | 126                                                     | 95                                                       |
| 146                   | 76                   | 16                   | 89                                                      | 119                                                     | 91                                                       | 38                                                      | 85                                                | 113                                                        | 93                                                          | 119                                                        | 126                                                     | 96                                                       |
| 147                   | 76                   | 37                   | 90                                                      | 119                                                     | 91                                                       | 39                                                      | 85                                                | 113                                                        | 94                                                          | 119                                                        | 126                                                     | 97                                                       |
| 148                   | 76                   | 58                   | 91                                                      | 120                                                     | 91                                                       | 39                                                      | 85                                                | 113                                                        | 94                                                          | 119                                                        | 127                                                     | 86                                                       |
| 149                   | 77                   | 19                   | 91                                                      | 120                                                     | 91                                                       | 39                                                      | 86                                                | 113                                                        | 94                                                          | 119                                                        | 127                                                     | 86                                                       |
| 150                   | 77                   | 41                   | 92                                                      | 121                                                     | 92                                                       | 39                                                      | 86                                                | 114                                                        | 97                                                          | 120                                                        | 127                                                     | 97                                                       |
| 151                   | 78                   | 2                    | 92                                                      | 121                                                     | 95                                                       | 39                                                      | 86                                                | 114                                                        | 96                                                          | 120                                                        | 127                                                     | 100                                                      |
| 152                   | 78                   | 23                   | 92                                                      | 122                                                     | 92                                                       | 38                                                      | 85                                                | 114                                                        | 94                                                          | 120                                                        | 128                                                     | 106                                                      |
| 153                   | 78                   | 44                   | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 86                                                | 115                                                        | 94                                                          | 120                                                        | 128                                                     | 108                                                      |
| 154                   | 79                   | 6                    | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 86                                                | 115                                                        | 94                                                          | 122                                                        | 129                                                     | 96                                                       |
| 155                   | 79                   | 27                   | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 86                                                | 115                                                        | 94                                                          | 122                                                        | 129                                                     | 97                                                       |
| 156                   | 80                   | 48                   | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 86                                                | 115                                                        | 94                                                          | 122                                                        | 129                                                     | 96                                                       |
| 157                   | 80                   | 9                    | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 86                                                | 115                                                        | 94                                                          | 122                                                        | 129                                                     | 96                                                       |
| 158                   | 80                   | 31                   | 91                                                      | 122                                                     | 93                                                       | 39                                                      | 85                                                | 115                                                        | 93                                                          | 120                                                        | 129                                                     | 97                                                       |
| 159                   | 80                   | 52                   | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 85                                                | 115                                                        | 93                                                          | 120                                                        | 129                                                     | 96                                                       |
| 160                   | 81                   | 13                   | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 85                                                | 115                                                        | 93                                                          | 120                                                        | 129                                                     | 97                                                       |
| 161                   | 81                   | 35                   | 91                                                      | 122                                                     | 91                                                       | 38                                                      | 85                                                | 115                                                        | 94                                                          | 120                                                        | 129                                                     | 96                                                       |
| 162                   | 81                   | 56                   | 92                                                      | 122                                                     | 92                                                       | 39                                                      | 85                                                | 115                                                        | 93                                                          | 120                                                        | 129                                                     | 97                                                       |
| 163                   | 82                   | 16                   | 91                                                      | 122                                                     | 94                                                       | 38                                                      | 85                                                | 115                                                        | 92                                                          | 120                                                        | 129                                                     | 98                                                       |
| 164                   | 82                   | 39                   | 93                                                      | 123                                                     | 94                                                       | 38                                                      | 87                                                | 116                                                        | 95                                                          | 120                                                        | 129                                                     | 102                                                      |
| 165                   | 82                   | 60                   | 93                                                      | 123                                                     | 93                                                       | 39                                                      | 86                                                | 116                                                        | 95                                                          | 120                                                        | 129                                                     | 101                                                      |
| 166                   | 83                   | 22                   | 93                                                      | 123                                                     | 93                                                       | 39                                                      | 86                                                | 116                                                        | 94                                                          | 120                                                        | 129                                                     | 99                                                       |
| 167                   | 83                   | 43                   | 92                                                      | 122                                                     | 93                                                       | 39                                                      | 86                                                | 115                                                        | 94                                                          | 120                                                        | 129                                                     | 99                                                       |
| 168                   | 84                   | 4                    | 94                                                      | 123                                                     | 95                                                       | 39                                                      | 89                                                | 115                                                        | 95                                                          | 120                                                        | 129                                                     | 99                                                       |
| 169                   | 84                   | 26                   | 96                                                      | 125                                                     | 100                                                      | 39                                                      | 93                                                | 115                                                        | 99                                                          | 120                                                        | 129                                                     | 104                                                      |
| 170                   | 84                   | 47                   | 98                                                      | 127                                                     | 102                                                      | 38                                                      | 92                                                | 116                                                        | 98                                                          | 122                                                        | 130                                                     | 103                                                      |
| 171                   | 85                   | 8                    | 100                                                     | 129                                                     | 102                                                      | 39                                                      | 94                                                | 118                                                        | 98                                                          | 122                                                        | 130                                                     | 104                                                      |
| 172                   | 85                   | 30                   | 101                                                     | 129                                                     | 102                                                      | 39                                                      | 93                                                | 119                                                        | 100                                                         | 123                                                        | 130                                                     | 107                                                      |
| 173                   | 85                   | 51                   | 102                                                     | 130                                                     | 103                                                      | 39                                                      | 95                                                | 120                                                        | 99                                                          | 123                                                        | 130                                                     | 107                                                      |
| 174                   | 86                   | 1                    | 102                                                     | 130                                                     | 103                                                      | 39                                                      | 96                                                | 120                                                        | 102                                                         | 124                                                        | 130                                                     | 108                                                      |
| 175                   | 86                   | 23                   | 103                                                     | 131                                                     | 104                                                      | 39                                                      | 96                                                | 121                                                        | 102                                                         | 124                                                        | 130                                                     | 109                                                      |
| 176                   | 86                   | 44                   | 104                                                     | 132                                                     | 104                                                      | 39                                                      | 96                                                | 122                                                        | 101                                                         | 125                                                        | 130                                                     | 109                                                      |



| SHEEP<br>COUNT | 5-02<br>TIME | 5-03<br>TIME | 5-04<br>TIME   | 5-05<br>TIME         | 5-06<br>TIME                            | 5-07<br>TIME                             | 5-08<br>TIME                           | 5-09<br>TIME                                | 5-10<br>TIME                              | 5-11<br>TIME                               | 5-12<br>TIME                              | 5-13<br>TIME                               | 5-14<br>TIME                              |
|----------------|--------------|--------------|----------------|----------------------|-----------------------------------------|------------------------------------------|----------------------------------------|---------------------------------------------|-------------------------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|-------------------------------------------|
|                | MIN.         | SEC.         | 1/30EV<br>TEMP | ENG.1<br>OIL<br>TANK | ENG.1<br>OIL<br>COOLER<br>INLET<br>FUEL | ENG.1<br>OIL<br>COOLER<br>OUTLET<br>FUEL | ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL | ENG.1<br>N.O.B.<br>COOLER<br>OUTLET<br>FUEL | ENG.2<br>N.O.B.<br>COOLER<br>INLET<br>OIL | ENG.2<br>N.O.B.<br>COOLER<br>OUTLET<br>OIL | ENG.2<br>N.O.B.<br>COOLER<br>INLET<br>OIL | ENG.2<br>N.O.B.<br>COOLER<br>OUTLET<br>OIL | ENG.2<br>N.O.B.<br>COOLER<br>INLET<br>OIL |
| 177            | 87           | 17           | 103            | 133                  | 106                                     | 106                                      | 39                                     | 97                                          | 122                                       | 102                                        | 125                                       | 137                                        | 108                                       |
| 178            | 87           | 38           | 104            | 133                  | 105                                     | 105                                      | 40                                     | 97                                          | 122                                       | 101                                        | 125                                       | 138                                        | 107                                       |
| 179            | 88           | 0            | 105            | 133                  | 107                                     | 107                                      | 39                                     | 98                                          | 123                                       | 102                                        | 125                                       | 138                                        | 109                                       |
| 180            | 88           | 21           | 106            | 133                  | 105                                     | 105                                      | 39                                     | 96                                          | 122                                       | 101                                        | 126                                       | 138                                        | 108                                       |
| 181            | 88           | 47           | 105            | 133                  | 105                                     | 105                                      | 39                                     | 96                                          | 123                                       | 101                                        | 125                                       | 138                                        | 108                                       |
| 182            | 89           | 4            | 105            | 133                  | 103                                     | 103                                      | 39                                     | 96                                          | 123                                       | 101                                        | 126                                       | 139                                        | 107                                       |
| 183            | 89           | 23           | 104            | 133                  | 101                                     | 101                                      | 39                                     | 92                                          | 123                                       | 100                                        | 126                                       | 138                                        | 106                                       |
| 184            | 89           | 46           | 104            | 132                  | 99                                      | 99                                       | 39                                     | 91                                          | 122                                       | 98                                         | 125                                       | 138                                        | 105                                       |
| 185            | 90           | 6            | 100            | 130                  | 95                                      | 95                                       | 39                                     | 88                                          | 121                                       | 95                                         | 125                                       | 136                                        | 99                                        |
| 186            | 90           | 29           | 96             | 129                  | 92                                      | 92                                       | 39                                     | 85                                          | 119                                       | 92                                         | 123                                       | 134                                        | 96                                        |
| 187            | 90           | 50           | 94             | 129                  | 89                                      | 89                                       | 39                                     | 84                                          | 119                                       | 90                                         | 121                                       | 130                                        | 93                                        |
| 188            | 91           | 11           | 90             | 121                  | 85                                      | 85                                       | 40                                     | 82                                          | 116                                       | 89                                         | 119                                       | 126                                        | 89                                        |
| 189            | 91           | 32           | 87             | 117                  | 83                                      | 83                                       | 39                                     | 82                                          | 114                                       | 87                                         | 117                                       | 123                                        | 86                                        |
| 190            | 91           | 53           | 85             | 115                  | 82                                      | 82                                       | 40                                     | 80                                          | 112                                       | 86                                         | 116                                       | 120                                        | 86                                        |
| 191            | 92           | 14           | 83             | 112                  | 81                                      | 81                                       | 40                                     | 80                                          | 112                                       | 86                                         | 116                                       | 118                                        | 84                                        |
| 192            | 92           | 35           | 81             | 111                  | 80                                      | 80                                       | 40                                     | 79                                          | 110                                       | 85                                         | 113                                       | 116                                        | 83                                        |
| 193            | 92           | 56           | 80             | 109                  | 78                                      | 78                                       | 40                                     | 78                                          | 109                                       | 85                                         | 113                                       | 113                                        | 82                                        |
| 194            | 93           | 17           | 79             | 107                  | 76                                      | 76                                       | 40                                     | 78                                          | 108                                       | 85                                         | 111                                       | 111                                        | 81                                        |
| 195            | 93           | 38           | 79             | 106                  | 79                                      | 79                                       | 40                                     | 79                                          | 107                                       | 85                                         | 111                                       | 110                                        | 82                                        |
| 196            | 93           | 59           | 79             | 107                  | 79                                      | 79                                       | 40                                     | 79                                          | 106                                       | 85                                         | 111                                       | 110                                        | 83                                        |
| 197            | 94           | 21           | 79             | 106                  | 81                                      | 81                                       | 40                                     | 79                                          | 106                                       | 86                                         | 111                                       | 109                                        | 83                                        |
| 198            | 94           | 42           | 77             | 108                  | 83                                      | 83                                       | 39                                     | 79                                          | 106                                       | 86                                         | 111                                       | 112                                        | 86                                        |
| 199            | 95           | 3            | 87             | 112                  | 86                                      | 86                                       | 39                                     | 80                                          | 108                                       | 88                                         | 112                                       | 115                                        | 88                                        |
| 200            | 95           | 25           | 86             | 114                  | 88                                      | 88                                       | 39                                     | 81                                          | 109                                       | 89                                         | 113                                       | 117                                        | 90                                        |
| 201            | 95           | 46           | 86             | 116                  | 83                                      | 83                                       | 39                                     | 82                                          | 110                                       | 89                                         | 115                                       | 119                                        | 92                                        |
| 202            | 96           | 7            | 87             | 117                  | 89                                      | 89                                       | 39                                     | 83                                          | 111                                       | 90                                         | 115                                       | 121                                        | 93                                        |
| 203            | 96           | 29           | 89             | 118                  | 90                                      | 90                                       | 40                                     | 83                                          | 112                                       | 89                                         | 116                                       | 122                                        | 93                                        |
| 204            | 96           | 50           | 90             | 119                  | 91                                      | 91                                       | 40                                     | 83                                          | 112                                       | 91                                         | 116                                       | 122                                        | 94                                        |
| 205            | 97           | 11           | 90             | 120                  | 91                                      | 91                                       | 39                                     | 84                                          | 113                                       | 91                                         | 116                                       | 123                                        | 94                                        |
| 206            | 97           | 33           | 90             | 121                  | 92                                      | 92                                       | 39                                     | 85                                          | 113                                       | 91                                         | 117                                       | 124                                        | 95                                        |
| 207            | 97           | 54           | 91             | 121                  | 92                                      | 92                                       | 39                                     | 84                                          | 113                                       | 91                                         | 118                                       | 125                                        | 98                                        |
| 208            | 98           | 15           | 91             | 122                  | 92                                      | 92                                       | 40                                     | 85                                          | 114                                       | 92                                         | 118                                       | 126                                        | 96                                        |
| 209            | 98           | 37           | 91             | 122                  | 92                                      | 92                                       | 39                                     | 85                                          | 114                                       | 92                                         | 118                                       | 126                                        | 96                                        |
| 210            | 98           | 58           | 91             | 122                  | 92                                      | 92                                       | 40                                     | 85                                          | 115                                       | 92                                         | 118                                       | 126                                        | 96                                        |
| 211            | 99           | 19           | 92             | 122                  | 92                                      | 92                                       | 40                                     | 85                                          | 115                                       | 92                                         | 118                                       | 126                                        | 96                                        |
| 212            | 99           | 41           | 92             | 122                  | 92                                      | 92                                       | 40                                     | 85                                          | 114                                       | 92                                         | 118                                       | 126                                        | 96                                        |
| 213            | 100          | 2            | 91             | 122                  | 92                                      | 92                                       | 39                                     | 85                                          | 115                                       | 91                                         | 117                                       | 126                                        | 96                                        |
| 214            | 100          | 23           | 92             | 122                  | 92                                      | 92                                       | 39                                     | 85                                          | 115                                       | 91                                         | 119                                       | 126                                        | 96                                        |
| 215            | 100          | 44           | 92             | 122                  | 92                                      | 92                                       | 39                                     | 85                                          | 115                                       | 92                                         | 118                                       | 127                                        | 96                                        |
| 216            | 101          | 6            | 92             | 122                  | 92                                      | 92                                       | 39                                     | 85                                          | 115                                       | 91                                         | 118                                       | 126                                        | 96                                        |
| 217            | 101          | 17           | 92             | 122                  | 91                                      | 91                                       | 39                                     | 85                                          | 114                                       | 91                                         | 115                                       | 126                                        | 95                                        |
| 218            | 101          | 43           | 91             | 122                  | 91                                      | 91                                       | 39                                     | 85                                          | 115                                       | 91                                         | 117                                       | 126                                        | 97                                        |
| 219            | 102          | 11           | 92             | 122                  | 93                                      | 93                                       | 39                                     | 85                                          | 114                                       | 91                                         | 117                                       | 127                                        | 98                                        |
| 220            | 102          | 31           | 92             | 122                  | 93                                      | 93                                       | 39                                     | 85                                          | 114                                       | 91                                         | 116                                       | 126                                        | 96                                        |
| 221            | 102          | 51           | 92             | 123                  | 93                                      | 93                                       | 39                                     | 85                                          | 114                                       | 91                                         | 116                                       | 126                                        | 96                                        |
| 222            | 103          | 14           | 92             | 122                  | 93                                      | 93                                       | 39                                     | 85                                          | 114                                       | 91                                         | 116                                       | 127                                        | 96                                        |
| 223            | 103          | 36           | 92             | 123                  | 92                                      | 92                                       | 39                                     | 85                                          | 115                                       | 90                                         | 116                                       | 126                                        | 98                                        |
| 224            | 103          | 57           | 92             | 123                  | 93                                      | 93                                       | 39                                     | 85                                          | 115                                       | 91                                         | 117                                       | 126                                        | 95                                        |
| 225            | 104          | 18           | 92             | 122                  | 93                                      | 93                                       | 40                                     | 85                                          | 114                                       | 91                                         | 117                                       | 126                                        | 96                                        |
| 226            | 104          | 48           | 92             | 122                  | 92                                      | 92                                       | 39                                     | 85                                          | 115                                       | 92                                         | 117                                       | 127                                        | 96                                        |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>TANK<br>1/3LEV<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-10<br>ENG.1<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 227                   | 105                  | 1                    | 92                                               | 123                                                     | 93                                                       | 39                                                      | 85                                                          | 115                                                        | 91                                                          | 116                                                        | 127                                                     | 97                                                       |
| 228                   | 105                  | 22                   | 93                                               | 123                                                     | 94                                                       | 40                                                      | 86                                                          | 115                                                        | 92                                                          | 117                                                        | 127                                                     | 97                                                       |
| 229                   | 105                  | 44                   | 93                                               | 123                                                     | 94                                                       | 40                                                      | 86                                                          | 115                                                        | 92                                                          | 118                                                        | 128                                                     | 97                                                       |
| 230                   | 106                  | 5                    | 93                                               | 124                                                     | 95                                                       | 39                                                      | 86                                                          | 115                                                        | 93                                                          | 119                                                        | 128                                                     | 99                                                       |
| 231                   | 106                  | 24                   | 95                                               | 124                                                     | 95                                                       | 40                                                      | 86                                                          | 116                                                        | 94                                                          | 119                                                        | 128                                                     | 99                                                       |
| 232                   | 106                  | 48                   | 94                                               | 124                                                     | 95                                                       | 40                                                      | 87                                                          | 116                                                        | 93                                                          | 119                                                        | 129                                                     | 99                                                       |
| 233                   | 107                  | 9                    | 94                                               | 125                                                     | 95                                                       | 39                                                      | 87                                                          | 116                                                        | 94                                                          | 129                                                        | *                                                       | 99                                                       |
| 234                   | 107                  | 30                   | 95                                               | 125                                                     | 95                                                       | 40                                                      | 87                                                          | 116                                                        | 93                                                          | 119                                                        | 129                                                     | 99                                                       |
| 235                   | 107                  | 52                   | 95                                               | 125                                                     | 95                                                       | 40                                                      | 88                                                          | 116                                                        | 94                                                          | 119                                                        | 129                                                     | 99                                                       |
| 236                   | 108                  | 13                   | 96                                               | 125                                                     | 96                                                       | 40                                                      | 87                                                          | 117                                                        | 94                                                          | 119                                                        | 129                                                     | 101                                                      |
| 237                   | 108                  | 34                   | 95                                               | 125                                                     | 96                                                       | 40                                                      | 86                                                          | 116                                                        | 94                                                          | 120                                                        | 130                                                     | 100                                                      |
| 238                   | 108                  | 56                   | 94                                               | 124                                                     | 96                                                       | 39                                                      | 87                                                          | 116                                                        | 93                                                          | 119                                                        | 130                                                     | 100                                                      |
| 239                   | 109                  | 17                   | 95                                               | 125                                                     | 96                                                       | 40                                                      | 88                                                          | 116                                                        | 94                                                          | 120                                                        | 130                                                     | 99                                                       |
| 240                   | 109                  | 38                   | 95                                               | 125                                                     | 94                                                       | 39                                                      | 86                                                          | 116                                                        | 93                                                          | 120                                                        | 130                                                     | 98                                                       |
| 241                   | 110                  | 0                    | 94                                               | 125                                                     | 95                                                       | 39                                                      | 86                                                          | 117                                                        | 93                                                          | 120                                                        | 130                                                     | 99                                                       |
| 242                   | 110                  | 21                   | 94                                               | 125                                                     | 96                                                       | 39                                                      | 87                                                          | 116                                                        | 94                                                          | 120                                                        | 129                                                     | 99                                                       |
| 243                   | 110                  | 43                   | 95                                               | 124                                                     | 95                                                       | 40                                                      | 88                                                          | 117                                                        | 93                                                          | 120                                                        | 129                                                     | 98                                                       |
| 244                   | 111                  | 4                    | 95                                               | 124                                                     | 95                                                       | 41                                                      | 88                                                          | 117                                                        | 93                                                          | 120                                                        | 129                                                     | 99                                                       |
| 245                   | 111                  | 25                   | 94                                               | 125                                                     | 94                                                       | 39                                                      | 86                                                          | 117                                                        | 93                                                          | 120                                                        | 129                                                     | 98                                                       |
| 246                   | 111                  | 47                   | 94                                               | 125                                                     | 95                                                       | 41                                                      | 86                                                          | 116                                                        | 93                                                          | 119                                                        | 128                                                     | 98                                                       |
| 247                   | 112                  | 8                    | 94                                               | 124                                                     | 95                                                       | 40                                                      | 87                                                          | 116                                                        | 93                                                          | 119                                                        | 129                                                     | 99                                                       |
| 248                   | 112                  | 29                   | 93                                               | 124                                                     | 95                                                       | 40                                                      | 87                                                          | 116                                                        | 94                                                          | 119                                                        | 129                                                     | 100                                                      |
| 249                   | 112                  | 51                   | 94                                               | 125                                                     | 94                                                       | 40                                                      | 86                                                          | 116                                                        | 93                                                          | 119                                                        | 129                                                     | 99                                                       |
| 250                   | 113                  | 12                   | 94                                               | 125                                                     | 94                                                       | 40                                                      | 86                                                          | 115                                                        | 93                                                          | 119                                                        | 129                                                     | 99                                                       |
| 251                   | 113                  | 33                   | 94                                               | 125                                                     | 92                                                       | 40                                                      | 86                                                          | 115                                                        | 93                                                          | 119                                                        | 128                                                     | 97                                                       |
| 252                   | 113                  | 54                   | 93                                               | 123                                                     | 92                                                       | 40                                                      | 87                                                          | 115                                                        | 93                                                          | 119                                                        | 128                                                     | 96                                                       |
| 253                   | 114                  | 15                   | 92                                               | 119                                                     | 89                                                       | 41                                                      | 85                                                          | 115                                                        | 92                                                          | 119                                                        | 125                                                     | 96                                                       |
| 254                   | 114                  | 36                   | 90                                               | 116                                                     | 87                                                       | 41                                                      | 85                                                          | 113                                                        | 91                                                          | 116                                                        | 124                                                     | 93                                                       |
| 255                   | 114                  | 58                   | 89                                               | 114                                                     | 84                                                       | 41                                                      | 83                                                          | 112                                                        | 90                                                          | 114                                                        | 119                                                     | 90                                                       |
| 256                   | 115                  | 19                   | 87                                               | 112                                                     | 85                                                       | 42                                                      | 83                                                          | 109                                                        | 92                                                          | 114                                                        | 117                                                     | 93                                                       |
| 257                   | 115                  | 40                   | 86                                               | 111                                                     | 83                                                       | 42                                                      | 81                                                          | 109                                                        | 89                                                          | 114                                                        | 117                                                     | 89                                                       |
| 258                   | 116                  | 1                    | 85                                               | 111                                                     | 83                                                       | 42                                                      | 81                                                          | 109                                                        | 89                                                          | 114                                                        | 118                                                     | 87                                                       |
| 259                   | 116                  | 22                   | 83                                               | 113                                                     | 82                                                       | 43                                                      | 78                                                          | 108                                                        | 86                                                          | 114                                                        | 118                                                     | 86                                                       |
| 260                   | 116                  | 43                   | 82                                               | 114                                                     | 81                                                       | 43                                                      | 78                                                          | 109                                                        | 86                                                          | 115                                                        | 119                                                     | 88                                                       |
| 261                   | 117                  | 4                    | 82                                               | 114                                                     | 82                                                       | 41                                                      | 78                                                          | 109                                                        | 86                                                          | 115                                                        | 118                                                     | 86                                                       |
| 262                   | 117                  | 25                   | 82                                               | 113                                                     | 82                                                       | 42                                                      | 77                                                          | 109                                                        | 85                                                          | 115                                                        | 118                                                     | 86                                                       |
| 263                   | 117                  | 47                   | 82                                               | 113                                                     | 81                                                       | 42                                                      | 77                                                          | 109                                                        | 85                                                          | 113                                                        | 118                                                     | 85                                                       |
| 264                   | 118                  | 8                    | 81                                               | 111                                                     | 79                                                       | 42                                                      | 77                                                          | 108                                                        | 84                                                          | 112                                                        | 115                                                     | 82                                                       |
| 265                   | 118                  | 29                   | 80                                               | 108                                                     | 78                                                       | 41                                                      | 76                                                          | 108                                                        | 83                                                          | 112                                                        | 113                                                     | 81                                                       |
| 266                   | 118                  | 50                   | 78                                               | 106                                                     | 76                                                       | 42                                                      | 75                                                          | 106                                                        | 82                                                          | 111                                                        | 111                                                     | 79                                                       |
| 267                   | 119                  | 11                   | 76                                               | 104                                                     | 74                                                       | 41                                                      | 75                                                          | 105                                                        | 81                                                          | 110                                                        | 109                                                     | 78                                                       |
| 268                   | 119                  | 32                   | 75                                               | 102                                                     | 74                                                       | 41                                                      | 74                                                          | 105                                                        | 81                                                          | 109                                                        | 107                                                     | 78                                                       |
| 269                   | 119                  | 53                   | 74                                               | 101                                                     | 74                                                       | 41                                                      | 73                                                          | 103                                                        | 81                                                          | 108                                                        | 106                                                     | 77                                                       |
| 270                   | 120                  | 14                   | 73                                               | 101                                                     | 73                                                       | 41                                                      | 73                                                          | 102                                                        | 80                                                          | 108                                                        | 105                                                     | 76                                                       |
| 271                   | 120                  | 35                   | 74                                               | 100                                                     | 74                                                       | 41                                                      | 72                                                          | 102                                                        | 79                                                          | 106                                                        | 104                                                     | 75                                                       |
| 272                   | 120                  | 56                   | 73                                               | 100                                                     | 73                                                       | 42                                                      | 72                                                          | 102                                                        | 79                                                          | 106                                                        | 104                                                     | 74                                                       |
| 273                   | 121                  | 17                   | 72                                               | 100                                                     | 72                                                       | 41                                                      | 72                                                          | 101                                                        | 78                                                          | 105                                                        | 104                                                     | 73                                                       |
| 274                   | 121                  | 38                   | 72                                               | 101                                                     | 73                                                       | 41                                                      | 73                                                          | 101                                                        | 79                                                          | 105                                                        | 104                                                     | 74                                                       |
| 275                   | 121                  | 59                   | 72                                               | 100                                                     | 73                                                       | 41                                                      | 73                                                          | 101                                                        | 79                                                          | 106                                                        | 103                                                     | 74                                                       |
| 276                   | 121                  | 10                   | 72                                               | 101                                                     | 73                                                       | 41                                                      | 73                                                          | 102                                                        | 78                                                          | 106                                                        | 104                                                     | 74                                                       |

| -11<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-05<br>ENG.1<br>OIL<br>TANK<br>1/3 BLEW<br>TEMP<br>DEG.C | 5-06<br>ENG.1<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-07<br>ENG.1<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-08<br>ENG.1<br>FUEL<br>PUMP<br>INLET<br>FUEL<br>DEG.C | 5-09<br>ENG.1<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-11<br>ENG.2<br>N.G.B.<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-12<br>ENG.2<br>N.G.B.<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-13<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-14<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>OIL<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 277                   | 122                  | 41                   | 72                                                        | 131                                                     | 72                                                       | 41                                                      | 73                                                          | 79                                                          | 105                                                        | 103                                                     | 75                                                       |
| 278                   | 123                  | 2                    | 72                                                        | 100                                                     | 73                                                       | 41                                                      | 74                                                          | 80                                                          | 105                                                        | 103                                                     | 75                                                       |
| 279                   | 123                  | 23                   | 72                                                        | 58                                                      | 75                                                       | 41                                                      | 75                                                          | 81                                                          | 105                                                        | 102                                                     | 77                                                       |
| 280                   | 123                  | 44                   | 74                                                        | 100                                                     | 77                                                       | 41                                                      | 75                                                          | 82                                                          | 105                                                        | 103                                                     | 79                                                       |
| 281                   | 124                  | 5                    | 75                                                        | 103                                                     | 77                                                       | 41                                                      | 75                                                          | 82                                                          | 106                                                        | 106                                                     | 79                                                       |
| 282                   | 124                  | 26                   | 77                                                        | 104                                                     | 76                                                       | 41                                                      | 76                                                          | 81                                                          | 107                                                        | 104                                                     | 70                                                       |
| 283                   | 124                  | 47                   | 76                                                        | 105                                                     | 74                                                       | 41                                                      | 77                                                          | 81                                                          | 107                                                        | 107                                                     | 77                                                       |
| 284                   | 125                  | 8                    | 75                                                        | 105                                                     | 75                                                       | 41                                                      | 75                                                          | 80                                                          | 107                                                        | 106                                                     | 76                                                       |
| 285                   | 125                  | 29                   | 75                                                        | 103                                                     | 75                                                       | 41                                                      | 75                                                          | 80                                                          | 107                                                        | 106                                                     | 76                                                       |
| 286                   | 125                  | 51                   | 73                                                        | 104                                                     | 73                                                       | 41                                                      | 74                                                          | 79                                                          | 106                                                        | 106                                                     | 76                                                       |
| 287                   | 126                  | 12                   | 74                                                        | 104                                                     | 74                                                       | 41                                                      | 74                                                          | 79                                                          | 106                                                        | 107                                                     | 76                                                       |
| 288                   | 126                  | 33                   | 74                                                        | 103                                                     | 74                                                       | 41                                                      | 73                                                          | 79                                                          | 106                                                        | 104                                                     | 76                                                       |
| 289                   | 126                  | 54                   | 74                                                        | 103                                                     | 74                                                       | 41                                                      | 73                                                          | 79                                                          | 105                                                        | 105                                                     | 75                                                       |
| 290                   | 127                  | 15                   | 73                                                        | 102                                                     | 74                                                       | 41                                                      | 73                                                          | 79                                                          | 105                                                        | 105                                                     | 75                                                       |
| 291                   | 127                  | 36                   | 73                                                        | 102                                                     | 72                                                       | 41                                                      | 73                                                          | 78                                                          | 105                                                        | 105                                                     | 75                                                       |
| 292                   | 127                  | 57                   | 73                                                        | 102                                                     | 73                                                       | 41                                                      | 74                                                          | 79                                                          | 105                                                        | 104                                                     | 74                                                       |
| 293                   | 128                  | 17                   | 74                                                        | 99                                                      | 72                                                       | 41                                                      | 73                                                          | 79                                                          | 104                                                        | 101                                                     | 74                                                       |
| 294                   | 128                  | 37                   | 73                                                        | 99                                                      | 73                                                       | 41                                                      | 74                                                          | 78                                                          | 104                                                        | 102                                                     | 74                                                       |
| 295                   | 128                  | 58                   | 72                                                        | 97                                                      | 76                                                       | 41                                                      | 73                                                          | 78                                                          | 104                                                        | 101                                                     | 76                                                       |
| 296                   | 129                  | 19                   | 73                                                        | 100                                                     | 75                                                       | 41                                                      | 73                                                          | 79                                                          | 102                                                        | 103                                                     | 76                                                       |
| 297                   | 129                  | 41                   | 75                                                        | 102                                                     | 75                                                       | 42                                                      | 74                                                          | 79                                                          | 103                                                        | 103                                                     | 77                                                       |
| 298                   | 130                  | 2                    | 75                                                        | 102                                                     | 75                                                       | 41                                                      | 74                                                          | 79                                                          | 103                                                        | 105                                                     | 77                                                       |
| 299                   | 130                  | 23                   | 75                                                        | 103                                                     | 75                                                       | 42                                                      | 74                                                          | 79                                                          | 105                                                        | 106                                                     | 77                                                       |
| 300                   | 130                  | 44                   | 74                                                        | 102                                                     | 75                                                       | 42                                                      | 73                                                          | 76                                                          | 105                                                        | 106                                                     | 76                                                       |
| 301                   | 131                  | 5                    | 74                                                        | 102                                                     | 74                                                       | 41                                                      | 74                                                          | 73                                                          | 105                                                        | 106                                                     | 77                                                       |
| 302                   | 131                  | 26                   | 74                                                        | 102                                                     | 75                                                       | 41                                                      | 75                                                          | 80                                                          | 105                                                        | 104                                                     | 78                                                       |
| 303                   | 131                  | 47                   | 73                                                        | 99                                                      | 75                                                       | 41                                                      | 75                                                          | 81                                                          | 105                                                        | 102                                                     | 77                                                       |
| 304                   | 132                  | 8                    | 74                                                        | 99                                                      | 75                                                       | 41                                                      | 75                                                          | 82                                                          | 105                                                        | 103                                                     | 78                                                       |
| 305                   | 132                  | 30                   | 74                                                        | 99                                                      | 77                                                       | 41                                                      | 75                                                          | 81                                                          | 105                                                        | 103                                                     | 79                                                       |
| 306                   | 132                  | 51                   | 76                                                        | 102                                                     | 73                                                       | 41                                                      | 76                                                          | 82                                                          | 105                                                        | 106                                                     | 82                                                       |
| 307                   | 133                  | 12                   | 78                                                        | 106                                                     | 82                                                       | 40                                                      | 78                                                          | 85                                                          | 106                                                        | 110                                                     | 85                                                       |
| 308                   | 133                  | 33                   | 81                                                        | 109                                                     | 85                                                       | 41                                                      | 79                                                          | 86                                                          | 109                                                        | 112                                                     | 86                                                       |
| 309                   | 133                  | 55                   | 82                                                        | 111                                                     | 85                                                       | 41                                                      | 81                                                          | 86                                                          | 110                                                        | 113                                                     | 88                                                       |
| 310                   | 134                  | 16                   | 83                                                        | 109                                                     | 83                                                       | 41                                                      | 81                                                          | 87                                                          | 111                                                        | 113                                                     | 87                                                       |
| 311                   | 134                  | 37                   | 84                                                        | 108                                                     | 83                                                       | 42                                                      | 80                                                          | 84                                                          | 110                                                        | 112                                                     | 86                                                       |
| 312                   | 134                  | 58                   | 82                                                        | 107                                                     | 82                                                       | 42                                                      | 80                                                          | 86                                                          | 109                                                        | 110                                                     | 85                                                       |
| 313                   | 135                  | 19                   | 92                                                        | 106                                                     | 82                                                       | 42                                                      | 79                                                          | 85                                                          | 109                                                        | 110                                                     | 84                                                       |
| 314                   | 135                  | 40                   | 81                                                        | 105                                                     | 81                                                       | 43                                                      | 79                                                          | 86                                                          | 109                                                        | 110                                                     | 84                                                       |
| 315                   | 136                  | 2                    | 80                                                        | 104                                                     | 81                                                       | 43                                                      | 79                                                          | 85                                                          | 108                                                        | 108                                                     | 84                                                       |
| 316                   | 136                  | 23                   | 80                                                        | 104                                                     | 81                                                       | 43                                                      | 78                                                          | 85                                                          | 108                                                        | 108                                                     | 83                                                       |
| 317                   | 136                  | 44                   | 80                                                        | 104                                                     | 82                                                       | 43                                                      | 78                                                          | 85                                                          | 108                                                        | 107                                                     | 83                                                       |
| 318                   | 137                  | 5                    | 82                                                        | 104                                                     | 81                                                       | 43                                                      | 79                                                          | 85                                                          | 107                                                        | 107                                                     | 83                                                       |
| 319                   | 137                  | 26                   | 79                                                        | 103                                                     | 79                                                       | 43                                                      | 78                                                          | 85                                                          | 107                                                        | 107                                                     | 82                                                       |
| 320                   | 137                  | 46                   | 79                                                        | 103                                                     | 79                                                       | 42                                                      | 77                                                          | 85                                                          | 107                                                        | 106                                                     | 83                                                       |
| 321                   | 138                  | 9                    | 78                                                        | 102                                                     | 78                                                       | 42                                                      | 77                                                          | 85                                                          | 107                                                        | 106                                                     | 82                                                       |
| 322                   | 138                  | 31                   | 75                                                        | 102                                                     | 83                                                       | 43                                                      | 81                                                          | 85                                                          | 104                                                        | 104                                                     | 86                                                       |
| 323                   | 139                  | 52                   | 60                                                        | 101                                                     | 81                                                       | 43                                                      | 82                                                          | 85                                                          | 102                                                        | 102                                                     | 92                                                       |
| 324                   | 139                  | 13                   | 61                                                        | 98                                                      | 84                                                       | 44                                                      | 82                                                          | 85                                                          | 101                                                        | 102                                                     | 96                                                       |
| 325                   | 139                  | 34                   | 61                                                        | 97                                                      | 85                                                       | 43                                                      | 82                                                          | 85                                                          | 101                                                        | 102                                                     | 96                                                       |
| 326                   | 139                  | 55                   | 62                                                        | 99                                                      | 83                                                       | 44                                                      | 82                                                          | 85                                                          | 99                                                         | 101                                                     | 95                                                       |



HH-53C S/N 68-10354  
 DESERT TEST  
 9 JULY 1971  
 RUN NO. 9

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>G. BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G. BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>SEN. 1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L. ELEC<br>COMPT<br>TOPTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L. ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L. ELEC<br>COMPT<br>BTM LFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R. ELEC<br>COMPT<br>LEFT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R. ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|
| 32                    | 32                   | 19                   | 49                                                        | 52                                                         | 43                                                    | 47                                                  | 48                                      | 47                                                        | 46                                                         | 46                                                          | 49                                                          | 49                                                         |
| 33                    | 32                   | 40                   | 49                                                        | 51                                                         | 44                                                    | 47                                                  | 49                                      | 48                                                        | 46                                                         | 46                                                          | 49                                                          | 50                                                         |
| 34                    | 33                   | 2                    | 49                                                        | 51                                                         | 44                                                    | 47                                                  | 49                                      | 48                                                        | 46                                                         | 46                                                          | 49                                                          | 49                                                         |
| 35                    | 34                   | 53                   | 49                                                        | 52                                                         | 44                                                    | 48                                                  | 49                                      | 48                                                        | 46                                                         | 47                                                          | 51                                                          | 49                                                         |
| 36                    | 35                   | 19                   | 49                                                        | 49                                                         | 41                                                    | 44                                                  | 45                                      | 45                                                        | 43                                                         | 44                                                          | 48                                                          | 48                                                         |
| 37                    | 36                   | 42                   | 46                                                        | 49                                                         | 41                                                    | 44                                                  | 46                                      | 46                                                        | 44                                                         | 44                                                          | 48                                                          | 48                                                         |
| 38                    | 37                   | 3                    | 47                                                        | 50                                                         | 42                                                    | 46                                                  | 46                                      | 46                                                        | 44                                                         | 45                                                          | 48                                                          | 48                                                         |
| 39                    | 38                   | 25                   | 48                                                        | 50                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 45                                                         | 45                                                          | 48                                                          | 48                                                         |
| 40                    | 38                   | 46                   | 48                                                        | 50                                                         | 41                                                    | 45                                                  | 45                                      | 46                                                        | 44                                                         | 44                                                          | 48                                                          | 48                                                         |
| 41                    | 39                   | 8                    | 48                                                        | 49                                                         | 42                                                    | 45                                                  | 47                                      | 46                                                        | 44                                                         | 44                                                          | 49                                                          | 49                                                         |
| 42                    | 39                   | 29                   | 48                                                        | 49                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 44                                                         | 44                                                          | 49                                                          | 48                                                         |
| 43                    | 39                   | 51                   | 47                                                        | 49                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 44                                                         | 44                                                          | 49                                                          | 48                                                         |
| 44                    | 40                   | 12                   | 47                                                        | 49                                                         | 42                                                    | 46                                                  | 47                                      | 46                                                        | 44                                                         | 44                                                          | 48                                                          | 48                                                         |
| 45                    | 40                   | 34                   | 47                                                        | 50                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 44                                                         | 45                                                          | 48                                                          | 48                                                         |
| 46                    | 40                   | 55                   | 48                                                        | 50                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 44                                                         | 44                                                          | 49                                                          | 48                                                         |
| 47                    | 41                   | 17                   | 46                                                        | 49                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 44                                                         | 44                                                          | 48                                                          | 48                                                         |
| 48                    | 41                   | 38                   | 47                                                        | 50                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 44                                                         | 45                                                          | 49                                                          | 48                                                         |
| 49                    | 42                   | 0                    | 47                                                        | 49                                                         | 42                                                    | 45                                                  | 46                                      | 45                                                        | 44                                                         | 44                                                          | 49                                                          | 48                                                         |
| 50                    | 42                   | 21                   | 47                                                        | 50                                                         | 41                                                    | 45                                                  | 47                                      | 45                                                        | 44                                                         | 45                                                          | 49                                                          | 49                                                         |
| 51                    | 42                   | 43                   | 47                                                        | 49                                                         | 41                                                    | 45                                                  | 47                                      | 46                                                        | 44                                                         | 44                                                          | 49                                                          | 49                                                         |
| 52                    | 43                   | 4                    | 48                                                        | 50                                                         | 41                                                    | 45                                                  | 45                                      | 46                                                        | 44                                                         | 45                                                          | 49                                                          | 49                                                         |
| 53                    | 43                   | 25                   | 47                                                        | 49                                                         | 41                                                    | 45                                                  | 46                                      | 45                                                        | 44                                                         | 44                                                          | 49                                                          | 49                                                         |
| 54                    | 43                   | 47                   | 47                                                        | 50                                                         | 42                                                    | 44                                                  | 46                                      | 45                                                        | 44                                                         | 44                                                          | 50                                                          | 49                                                         |
| 55                    | 44                   | 8                    | 48                                                        | 50                                                         | 42                                                    | 45                                                  | 46                                      | 46                                                        | 45                                                         | 45                                                          | 49                                                          | 49                                                         |
| 56                    | 44                   | 30                   | 47                                                        | 50                                                         | 41                                                    | 44                                                  | 46                                      | 46                                                        | 44                                                         | 44                                                          | 49                                                          | 50                                                         |
| 57                    | 44                   | 51                   | 46                                                        | 49                                                         | 41                                                    | 39                                                  | 46                                      | 46                                                        | 45                                                         | 45                                                          | 49                                                          | 49                                                         |
| 58                    | 45                   | 13                   | 46                                                        | 49                                                         | 41                                                    | 43                                                  | 46                                      | 46                                                        | 45                                                         | 45                                                          | 49                                                          | 49                                                         |
| 59                    | 45                   | 34                   | 47                                                        | 49                                                         | 41                                                    | 43                                                  | 46                                      | 45                                                        | 44                                                         | 44                                                          | 48                                                          | 50                                                         |
| 60                    | 45                   | 56                   | 51                                                        | 49                                                         | 41                                                    | 43                                                  | 46                                      | 45                                                        | 44                                                         | 46                                                          | 51                                                          | 52                                                         |
| 61                    | 46                   | 17                   | 50                                                        | 52                                                         | 45                                                    | 53                                                  | 50                                      | 48                                                        | 46                                                         | 46                                                          | 51                                                          | 52                                                         |
| 62                    | 46                   | 38                   | 50                                                        | 52                                                         | 44                                                    | 55                                                  | 51                                      | 48                                                        | 46                                                         | 46                                                          | 51                                                          | 51                                                         |
| 63                    | 46                   | 59                   | 50                                                        | 53                                                         | 43                                                    | 49                                                  | 51                                      | 48                                                        | 46                                                         | 46                                                          | 51                                                          | 51                                                         |
| 64                    | 47                   | 20                   | 51                                                        | 53                                                         | 45                                                    | 50                                                  | 52                                      | 48                                                        | 46                                                         | 46                                                          | 52                                                          | 51                                                         |
| 65                    | 47                   | 42                   | 51                                                        | 53                                                         | 45                                                    | 50                                                  | 32                                      | 48                                                        | 46                                                         | 47                                                          | 52                                                          | 52                                                         |
| 66                    | 48                   | 3                    | 51                                                        | 53                                                         | 45                                                    | 51                                                  | 33                                      | 48                                                        | 46                                                         | 46                                                          | 53                                                          | 52                                                         |
| 67                    | 48                   | 24                   | 51                                                        | 53                                                         | 45                                                    | 51                                                  | 53                                      | 48                                                        | 46                                                         | 47                                                          | 53                                                          | 52                                                         |
| 68                    | 48                   | 45                   | 50                                                        | 53                                                         | 45                                                    | 49                                                  | 54                                      | 46                                                        | 46                                                         | 47                                                          | 53                                                          | 52                                                         |
| 69                    | 49                   | 6                    | 51                                                        | 53                                                         | 44                                                    | 49                                                  | 54                                      | 46                                                        | 46                                                         | 47                                                          | 53                                                          | 52                                                         |
| 70                    | 49                   | 27                   | 51                                                        | 53                                                         | 45                                                    | 49                                                  | 55                                      | 46                                                        | 46                                                         | 46                                                          | 53                                                          | 52                                                         |
| 71                    | 49                   | 48                   | 51                                                        | 53                                                         | 45                                                    | 49                                                  | 55                                      | 46                                                        | 46                                                         | 47                                                          | 53                                                          | 52                                                         |
| 72                    | 50                   | 9                    | 51                                                        | 53                                                         | 44                                                    | 49                                                  | 55                                      | 48                                                        | 46                                                         | 47                                                          | 53                                                          | 52                                                         |
| 73                    | 50                   | 30                   | 51                                                        | 53                                                         | 44                                                    | 49                                                  | 55                                      | 48                                                        | 46                                                         | 46                                                          | 54                                                          | 52                                                         |
| 74                    | 50                   | 51                   | 51                                                        | 53                                                         | 45                                                    | 49                                                  | 56                                      | 48                                                        | 46                                                         | 46                                                          | 54                                                          | 52                                                         |
| 75                    | 51                   | 12                   | 51                                                        | 53                                                         | 45                                                    | 49                                                  | 57                                      | 48                                                        | 46                                                         | 47                                                          | 54                                                          | 52                                                         |
| 76                    | 51                   | 34                   | 51                                                        | 54                                                         | 45                                                    | 49                                                  | 58                                      | 43                                                        | 46                                                         | 46                                                          | 54                                                          | 53                                                         |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN.1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>BTMLFY<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------|--------------------------------------------------|------------------------------------------------|-----------------------------------------------------|----------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| 77                    | 51                   | 55                   | 51                                              | 53                                               | 45                                             | 49                                                  | 58                                     | 46                                               | 46                                               | 46                                               | 54                                                      | 52                                                        |
| 78                    | 52                   | 16                   | 51                                              | 53                                               | 45                                             | 51                                                  | 59                                     | 47                                               | 46                                               | 47                                               | 54                                                      | 52                                                        |
| 79                    | 52                   | 37                   | 51                                              | 53                                               | 45                                             | 49                                                  | 59                                     | 48                                               | 46                                               | 46                                               | 55                                                      | 53                                                        |
| 80                    | 52                   | 58                   | 50                                              | 53                                               | 44                                             | 51                                                  | 61                                     | 49                                               | 46                                               | 46                                               | 54                                                      | 52                                                        |
| 81                    | 53                   | 19                   | 51                                              | 54                                               | 45                                             | 48                                                  | 61                                     | 48                                               | 46                                               | 46                                               | 54                                                      | 52                                                        |
| 82                    | 53                   | 40                   | 51                                              | 52                                               | 44                                             | 66                                                  | 61                                     | 49                                               | 46                                               | 47                                               | 54                                                      | 52                                                        |
| 83                    | 54                   | 2                    | 46                                              | 48                                               | 44                                             | 48                                                  | 61                                     | 48                                               | 46                                               | 46                                               | 55                                                      | 53                                                        |
| 84                    | 54                   | 23                   | 42                                              | 45                                               | 45                                             | 49                                                  | 61                                     | 49                                               | 46                                               | 47                                               | 55                                                      | 53                                                        |
| 85                    | 54                   | 44                   | 42                                              | 44                                               | 45                                             | 51                                                  | 61                                     | 48                                               | 46                                               | 46                                               | 55                                                      | 54                                                        |
| 86                    | 55                   | 5                    | 43                                              | 44                                               | 45                                             | 49                                                  | 61                                     | 48                                               | 46                                               | 46                                               | 56                                                      | 53                                                        |
| 87                    | 55                   | 26                   | 43                                              | 45                                               | 45                                             | 49                                                  | 62                                     | 49                                               | 46                                               | 47                                               | 55                                                      | 53                                                        |
| 88                    | 55                   | 47                   | 43                                              | 45                                               | 45                                             | 50                                                  | 62                                     | 48                                               | 46                                               | 47                                               | 55                                                      | 52                                                        |
| 89                    | 56                   | 8                    | 43                                              | 44                                               | 45                                             | 50                                                  | 63                                     | 48                                               | 46                                               | 47                                               | 55                                                      | 52                                                        |
| 90                    | 56                   | 29                   | 44                                              | 44                                               | 45                                             | 52                                                  | 63                                     | 48                                               | 46                                               | 46                                               | *                                                       | 52                                                        |
| 91                    | 56                   | 50                   | 44                                              | 45                                               | 46                                             | 51                                                  | 64                                     | 48                                               | 46                                               | 47                                               | 55                                                      | 53                                                        |
| 92                    | 57                   | 11                   | 44                                              | 46                                               | 45                                             | 55                                                  | 64                                     | 48                                               | 46                                               | 46                                               | 55                                                      | 52                                                        |
| 93                    | 57                   | 32                   | 46                                              | 47                                               | 45                                             | 56                                                  | 60                                     | 48                                               | 46                                               | 46                                               | 54                                                      | 52                                                        |
| 94                    | 57                   | 53                   | 48                                              | 48                                               | 45                                             | 59                                                  | 65                                     | 48                                               | 46                                               | 47                                               | 54                                                      | 52                                                        |
| 95                    | 58                   | 14                   | 50                                              | 51                                               | 46                                             | 57                                                  | 66                                     | 48                                               | 46                                               | 47                                               | 53                                                      | 52                                                        |
| 96                    | 58                   | 35                   | 51                                              | 52                                               | 46                                             | 57                                                  | *                                      | *                                                | 46                                               | 46                                               | 52                                                      | 52                                                        |
| 97                    | 58                   | 56                   | 52                                              | 54                                               | 47                                             | 55                                                  | 68                                     | 48                                               | 47                                               | 46                                               | 53                                                      | 52                                                        |
| 98                    | 59                   | 17                   | 55                                              | 55                                               | 48                                             | 59                                                  | 70                                     | 48                                               | 47                                               | 47                                               | 52                                                      | 52                                                        |
| 99                    | 59                   | 38                   | 55                                              | 55                                               | 48                                             | 62                                                  | 69                                     | 47                                               | 46                                               | 46                                               | 52                                                      | 51                                                        |
| 100                   | 59                   | 59                   | 56                                              | 55                                               | 48                                             | 64                                                  | 69                                     | 47                                               | 46                                               | 46                                               | 52                                                      | 51                                                        |
| 101                   | 60                   | 20                   | 57                                              | 55                                               | 48                                             | 64                                                  | 70                                     | 47                                               | 46                                               | 46                                               | 53                                                      | 51                                                        |
| 102                   | 60                   | 41                   | *                                               | *                                                | 43                                             | 64                                                  | 69                                     | 47                                               | 46                                               | 46                                               | 52                                                      | 50                                                        |
| 103                   | 61                   | 2                    | 60                                              | 58                                               | 54                                             | 64                                                  | 69                                     | 47                                               | 46                                               | 46                                               | 53                                                      | 49                                                        |
| 104                   | 61                   | 23                   | 60                                              | 56                                               | 51                                             | 64                                                  | 69                                     | 46                                               | 45                                               | 46                                               | 51                                                      | 52                                                        |
| 105                   | *                    | *                    | 61                                              | 57                                               | 51                                             | 64                                                  | 69                                     | 47                                               | 45                                               | 45                                               | 52                                                      | 52                                                        |
| 106                   | 62                   | 6                    | 62                                              | 57                                               | 51                                             | 64                                                  | 70                                     | 46                                               | 45                                               | 45                                               | 52                                                      | 52                                                        |
| 107                   | 62                   | 27                   | 62                                              | 58                                               | 51                                             | 67                                                  | 70                                     | 46                                               | 45                                               | 45                                               | 52                                                      | 53                                                        |
| 108                   | 62                   | 48                   | 64                                              | 58                                               | 51                                             | 67                                                  | 70                                     | 46                                               | 45                                               | 46                                               | 52                                                      | 52                                                        |
| 109                   | 63                   | 9                    | 65                                              | 59                                               | 52                                             | 65                                                  | 71                                     | 46                                               | 45                                               | 46                                               | 53                                                      | 52                                                        |
| 110                   | 63                   | 31                   | 65                                              | 60                                               | 54                                             | 65                                                  | 72                                     | 46                                               | 45                                               | 46                                               | 54                                                      | 52                                                        |
| 111                   | 63                   | 52                   | 66                                              | 64                                               | 54                                             | 67                                                  | 72                                     | 47                                               | 45                                               | 45                                               | 54                                                      | 52                                                        |
| 112                   | 64                   | 13                   | 67                                              | 63                                               | 54                                             | 67                                                  | 72                                     | 47                                               | 45                                               | 45                                               | 54                                                      | 52                                                        |
| 113                   | 64                   | 24                   | 68                                              | 64                                               | 53                                             | 69                                                  | 73                                     | 47                                               | 46                                               | 46                                               | 55                                                      | 54                                                        |
| 114                   | 64                   | 55                   | 70                                              | 67                                               | 51                                             | 70                                                  | 74                                     | 47                                               | 46                                               | 46                                               | 54                                                      | 53                                                        |
| 115                   | 65                   | 17                   | 71                                              | 68                                               | 51                                             | 70                                                  | 74                                     | 47                                               | 46                                               | 46                                               | 54                                                      | 52                                                        |
| 116                   | 65                   | 38                   | 71                                              | 64                                               | 57                                             | 70                                                  | 74                                     | 47                                               | 46                                               | 46                                               | 54                                                      | 52                                                        |
| 117                   | 65                   | 59                   | 72                                              | 64                                               | 59                                             | 69                                                  | 75                                     | 48                                               | 46                                               | 46                                               | 55                                                      | 52                                                        |
| 118                   | 66                   | 20                   | 72                                              | 64                                               | 59                                             | 70                                                  | 75                                     | 47                                               | 46                                               | 46                                               | 55                                                      | 51                                                        |
| 119                   | 66                   | 42                   | 72                                              | 64                                               | 50                                             | 70                                                  | 75                                     | 46                                               | 46                                               | 46                                               | 54                                                      | 53                                                        |
| 120                   | 67                   | 3                    | 73                                              | 70                                               | 60                                             | 70                                                  | 75                                     | 46                                               | 46                                               | 46                                               | 54                                                      | 53                                                        |
| 121                   | 67                   | 24                   | 74                                              | 70                                               | 60                                             | 70                                                  | 74                                     | 46                                               | 47                                               | 46                                               | 54                                                      | 54                                                        |
| 122                   | 67                   | 46                   | 75                                              | 69                                               | 61                                             | 70                                                  | 74                                     | 46                                               | 47                                               | 46                                               | 54                                                      | 54                                                        |
| 123                   | 68                   | 7                    | 77                                              | 71                                               | 61                                             | 73                                                  | 74                                     | 46                                               | 46                                               | 46                                               | 54                                                      | 55                                                        |
| 124                   | 68                   | 28                   | 79                                              | 74                                               | 62                                             | 72                                                  | 74                                     | 46                                               | 46                                               | 46                                               | 54                                                      | 55                                                        |
| 125                   | 68                   | 48                   | 79                                              | 72                                               | 63                                             | 72                                                  | 74                                     | 46                                               | 46                                               | 46                                               | 54                                                      | 55                                                        |
| 126                   | 69                   | 11                   | 81                                              | 73                                               | 63                                             | 74                                                  | 74                                     | 46                                               | 46                                               | 46                                               | 53                                                      | 55                                                        |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>G. BOX<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>G. BOX<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN. 1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L. ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L. ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L. ELEC<br>COMPT<br>BTM LFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R. ELEC<br>COMPT<br>LEFT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R. ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-----------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|
| 127                   | 69                   | 32                   | 82                                                        | 72                                                         | 63                                                    | 74                                                  | 73                                      | 46                                                         | 47                                                         | 47                                                          | 54                                                          | 54                                                         |
| 128                   | 69                   | 53                   | 82                                                        | 71                                                         | 63                                                    | 75                                                  | 74                                      | 46                                                         | 47                                                         | 46                                                          | 54                                                          | 54                                                         |
| 129                   | 70                   | 15                   | 85                                                        | 76                                                         | 64                                                    | 77                                                  | 74                                      | 47                                                         | 47                                                         | 46                                                          | 54                                                          | 54                                                         |
| 130                   | 70                   | 36                   | 86                                                        | 78                                                         | 64                                                    | 77                                                  | *                                       | 46                                                         | 47                                                         | 46                                                          | 53                                                          | 55                                                         |
| 131                   | 70                   | 57                   | 86                                                        | 75                                                         | 64                                                    | 78                                                  | 74                                      | 46                                                         | 46                                                         | 46                                                          | 55                                                          | 55                                                         |
| 132                   | 71                   | 18                   | 87                                                        | 77                                                         | 65                                                    | 78                                                  | 74                                      | 46                                                         | 47                                                         | 46                                                          | 54                                                          | 54                                                         |
| 133                   | 71                   | 40                   | 89                                                        | 79                                                         | 65                                                    | 79                                                  | 74                                      | 46                                                         | 47                                                         | 46                                                          | 54                                                          | 55                                                         |
| 134                   | 72                   | 1                    | 89                                                        | 79                                                         | 66                                                    | 81                                                  | 74                                      | 46                                                         | 47                                                         | 46                                                          | 54                                                          | 54                                                         |
| 135                   | 72                   | 22                   | 91                                                        | 81                                                         | 67                                                    | 79                                                  | 74                                      | 46                                                         | 47                                                         | 47                                                          | 53                                                          | 55                                                         |
| 136                   | 72                   | 43                   | 91                                                        | 82                                                         | 66                                                    | 79                                                  | 75                                      | 46                                                         | 47                                                         | 47                                                          | 53                                                          | 55                                                         |
| 137                   | 73                   | 4                    | 92                                                        | 76                                                         | 66                                                    | 82                                                  | 73                                      | 46                                                         | 47                                                         | 46                                                          | 54                                                          | 54                                                         |
| 138                   | 73                   | 26                   | 93                                                        | 81                                                         | 66                                                    | 82                                                  | 74                                      | 46                                                         | 47                                                         | 47                                                          | 52                                                          | 52                                                         |
| 139                   | 73                   | 47                   | 93                                                        | 81                                                         | 67                                                    | 84                                                  | 74                                      | 46                                                         | 47                                                         | 46                                                          | 53                                                          | 53                                                         |
| 140                   | 74                   | 8                    | 95                                                        | 82                                                         | 65                                                    | 82                                                  | 75                                      | 46                                                         | 47                                                         | 47                                                          | 53                                                          | 53                                                         |
| 141                   | 74                   | 29                   | *                                                         | *                                                          | *                                                     | *                                                   | *                                       | *                                                          | *                                                          | *                                                           | *                                                           | *                                                          |
| 142                   | 74                   | 51                   | 96                                                        | 81                                                         | 66                                                    | 85                                                  | 74                                      | 46                                                         | 46                                                         | 46                                                          | 54                                                          | 55                                                         |
| 143                   | 75                   | 12                   | 96                                                        | 79                                                         | 66                                                    | 86                                                  | 74                                      | 46                                                         | 47                                                         | 46                                                          | 54                                                          | 55                                                         |
| 144                   | 75                   | 33                   | 98                                                        | 81                                                         | 66                                                    | 85                                                  | 74                                      | 46                                                         | 47                                                         | 46                                                          | 54                                                          | 54                                                         |
| 145                   | 75                   | 54                   | 98                                                        | 81                                                         | 67                                                    | 84                                                  | 74                                      | 54                                                         | *                                                          | *                                                           | *                                                           | *                                                          |
| 146                   | 76                   | 16                   | 99                                                        | 85                                                         | 66                                                    | 85                                                  | 74                                      | 46                                                         | 46                                                         | 47                                                          | 54                                                          | 54                                                         |
| 147                   | 76                   | 37                   | 99                                                        | 83                                                         | 66                                                    | 85                                                  | 74                                      | 46                                                         | 46                                                         | 46                                                          | 53                                                          | 53                                                         |
| 148                   | 76                   | 58                   | 100                                                       | 85                                                         | 66                                                    | 88                                                  | 74                                      | 46                                                         | 46                                                         | 47                                                          | 53                                                          | 54                                                         |
| 149                   | 77                   | 19                   | 100                                                       | 86                                                         | 67                                                    | 86                                                  | 75                                      | 45                                                         | 48                                                         | 47                                                          | 54                                                          | 54                                                         |
| 150                   | 77                   | 41                   | 101                                                       | 85                                                         | 66                                                    | 86                                                  | 75                                      | 46                                                         | 48                                                         | 46                                                          | 53                                                          | 55                                                         |
| 151                   | 78                   | 2                    | 101                                                       | 90                                                         | 65                                                    | 86                                                  | 75                                      | 46                                                         | 48                                                         | 47                                                          | 53                                                          | 54                                                         |
| 152                   | 78                   | 23                   | 102                                                       | 83                                                         | 66                                                    | 89                                                  | 75                                      | 46                                                         | 48                                                         | 47                                                          | 52                                                          | 52                                                         |
| 153                   | 78                   | 44                   | 104                                                       | 79                                                         | 67                                                    | 88                                                  | 74                                      | 46                                                         | 48                                                         | 47                                                          | 52                                                          | 52                                                         |
| 154                   | 79                   | 6                    | 103                                                       | 82                                                         | 67                                                    | 88                                                  | 75                                      | 46                                                         | 48                                                         | 47                                                          | 53                                                          | 51                                                         |
| 155                   | 79                   | 27                   | 103                                                       | 87                                                         | 66                                                    | 89                                                  | 74                                      | 46                                                         | 48                                                         | 47                                                          | 52                                                          | 52                                                         |
| 156                   | 79                   | 48                   | 103                                                       | 80                                                         | 66                                                    | 89                                                  | 74                                      | 46                                                         | 48                                                         | 48                                                          | 53                                                          | 52                                                         |
| 157                   | 80                   | 9                    | 103                                                       | 87                                                         | 67                                                    | 88                                                  | 75                                      | 46                                                         | 48                                                         | 47                                                          | 53                                                          | 53                                                         |
| 158                   | 80                   | 31                   | 104                                                       | 82                                                         | 67                                                    | 88                                                  | 74                                      | 46                                                         | 48                                                         | 48                                                          | 52                                                          | 53                                                         |
| 159                   | 80                   | 52                   | 105                                                       | 79                                                         | 67                                                    | 89                                                  | 74                                      | 46                                                         | 48                                                         | 48                                                          | 52                                                          | 51                                                         |
| 160                   | 81                   | 13                   | 105                                                       | 85                                                         | 68                                                    | 89                                                  | 73                                      | 47                                                         | 48                                                         | 47                                                          | 52                                                          | 53                                                         |
| 161                   | 81                   | 35                   | 104                                                       | 86                                                         | 67                                                    | 91                                                  | 74                                      | 47                                                         | 48                                                         | 47                                                          | 52                                                          | 53                                                         |
| 162                   | 81                   | 56                   | 104                                                       | 82                                                         | 63                                                    | 92                                                  | 74                                      | 46                                                         | 48                                                         | 48                                                          | 52                                                          | 52                                                         |
| 163                   | 82                   | 18                   | 105                                                       | 88                                                         | 69                                                    | 93                                                  | 75                                      | 46                                                         | 48                                                         | 47                                                          | 51                                                          | 53                                                         |
| 164                   | 82                   | 39                   | 106                                                       | 89                                                         | 69                                                    | 92                                                  | 75                                      | 47                                                         | 48                                                         | 47                                                          | 51                                                          | 53                                                         |
| 165                   | 83                   | 0                    | 106                                                       | 85                                                         | 69                                                    | 92                                                  | 75                                      | 47                                                         | 48                                                         | 48                                                          | 52                                                          | 54                                                         |
| 166                   | 83                   | 22                   | 107                                                       | 85                                                         | 69                                                    | 93                                                  | 75                                      | 47                                                         | 48                                                         | 47                                                          | 51                                                          | 53                                                         |
| 167                   | 83                   | 43                   | 107                                                       | 91                                                         | 70                                                    | 92                                                  | 75                                      | 46                                                         | 48                                                         | 47                                                          | 51                                                          | 52                                                         |
| 168                   | 84                   | 4                    | 107                                                       | 96                                                         | 63                                                    | 93                                                  | 75                                      | 46                                                         | 48                                                         | 48                                                          | 51                                                          | 52                                                         |
| 169                   | 84                   | 26                   | 108                                                       | 93                                                         | 64                                                    | 94                                                  | 76                                      | 46                                                         | 48                                                         | 46                                                          | 51                                                          | 53                                                         |
| 170                   | 84                   | 47                   | 109                                                       | 96                                                         | 67                                                    | 96                                                  | 76                                      | 47                                                         | 48                                                         | 47                                                          | 51                                                          | 53                                                         |
| 171                   | 85                   | 8                    | 109                                                       | 96                                                         | 67                                                    | 96                                                  | 77                                      | 48                                                         | 48                                                         | 47                                                          | 51                                                          | 53                                                         |
| 172                   | 85                   | 30                   | 110                                                       | 98                                                         | 67                                                    | 92                                                  | 78                                      | 47                                                         | 48                                                         | 47                                                          | 51                                                          | 52                                                         |
| 173                   | 85                   | 51                   | 112                                                       | 101                                                        | 68                                                    | 96                                                  | 78                                      | 48                                                         | 48                                                         | 47                                                          | 51                                                          | 53                                                         |
| 174                   | 86                   | 12                   | 112                                                       | 98                                                         | 67                                                    | 96                                                  | 78                                      | 48                                                         | 48                                                         | 47                                                          | 52                                                          | 54                                                         |
| 175                   | 86                   | 34                   | 112                                                       | 96                                                         | 66                                                    | 94                                                  | 78                                      | 47                                                         | 48                                                         | 47                                                          | 52                                                          | 54                                                         |
| 176                   | 86                   | 55                   | 113                                                       | 99                                                         | 68                                                    | 96                                                  | 79                                      | 48                                                         | 48                                                         | 47                                                          | 51                                                          | 54                                                         |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>COOLER<br>INLET<br>OIL<br>DEG.C | 5-17<br>MAIN<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | 5-18<br>INTER.<br>SEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>SEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN.1<br>MASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>BTH RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>BTHLFT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AFTAIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------|--------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
| 177                   | 07                   | 17                   | 114                                             | 97                                               | 68                                                    | 94                                                  | 79                                     | 48                                                        | 48                                                        | 48                                                        | 52                                                         | 54                                                        |
| 178                   | 08                   | 38                   | 115                                             | 101                                              | 60                                                    | 96                                                  | 79                                     | 49                                                        | 48                                                        | 48                                                        | 52                                                         | 55                                                        |
| 179                   | 08                   | 0                    | 116                                             | 100                                              | 60                                                    | 96                                                  | 81                                     | 48                                                        | 48                                                        | 48                                                        | 53                                                         | 55                                                        |
| 180                   | 08                   | 21                   | 116                                             | 101                                              | 60                                                    | 95                                                  | 80                                     | 48                                                        | 49                                                        | 48                                                        | 52                                                         | 55                                                        |
| 181                   | 08                   | 42                   | 117                                             | 101                                              | 68                                                    | 96                                                  | 81                                     | 48                                                        | 49                                                        | 48                                                        | 53                                                         | 55                                                        |
| 182                   | 09                   | 4                    | 118                                             | 103                                              | 68                                                    | 96                                                  | 81                                     | 49                                                        | 49                                                        | 48                                                        | 53                                                         | 55                                                        |
| 183                   | 09                   | 25                   | 118                                             | 99                                               | 68                                                    | 99                                                  | 81                                     | 49                                                        | 49                                                        | 49                                                        | 52                                                         | 55                                                        |
| 184                   | 09                   | 46                   | 118                                             | 96                                               | 67                                                    | 96                                                  | 80                                     | 48                                                        | 49                                                        | 48                                                        | 53                                                         | 55                                                        |
| 185                   | 09                   | 8                    | 118                                             | 92                                               | 69                                                    | 96                                                  | 80                                     | 49                                                        | 49                                                        | 49                                                        | 54                                                         | 52                                                        |
| 186                   | 09                   | 29                   | 118                                             | 91                                               | 65                                                    | 97                                                  | 79                                     | 49                                                        | 49                                                        | 49                                                        | 54                                                         | 51                                                        |
| 187                   | 09                   | 50                   | 118                                             | 89                                               | 64                                                    | 96                                                  | 78                                     | 49                                                        | 49                                                        | 49                                                        | 54                                                         | 50                                                        |
| 188                   | 09                   | 11                   | 118                                             | 89                                               | 62                                                    | 92                                                  | 76                                     | 48                                                        | 49                                                        | 49                                                        | 52                                                         | 49                                                        |
| 189                   | 09                   | 32                   | 117                                             | 87                                               | 61                                                    | 91                                                  | 76                                     | 48                                                        | 48                                                        | 49                                                        | 51                                                         | 49                                                        |
| 190                   | 09                   | 53                   | 115                                             | 86                                               | 58                                                    | 91                                                  | 76                                     | 48                                                        | 48                                                        | 48                                                        | 49                                                         | 48                                                        |
| 191                   | 09                   | 14                   | 114                                             | 86                                               | 56                                                    | 91                                                  | 75                                     | 48                                                        | 48                                                        | 49                                                        | 50                                                         | 48                                                        |
| 192                   | 09                   | 35                   | 112                                             | 84                                               | 55                                                    | 92                                                  | 75                                     | 48                                                        | 48                                                        | 48                                                        | 49                                                         | 48                                                        |
| 193                   | 09                   | 56                   | 111                                             | 84                                               | 54                                                    | 86                                                  | 75                                     | 48                                                        | 48                                                        | 48                                                        | 48                                                         | 48                                                        |
| 194                   | 09                   | 17                   | 110                                             | 83                                               | 53                                                    | 88                                                  | 74                                     | 48                                                        | 48                                                        | 47                                                        | 49                                                         | 48                                                        |
| 195                   | 09                   | 38                   | 109                                             | 83                                               | 52                                                    | 88                                                  | 74                                     | 48                                                        | 48                                                        | 47                                                        | 49                                                         | 48                                                        |
| 196                   | 09                   | 59                   | 107                                             | 82                                               | 54                                                    | 89                                                  | 75                                     | 48                                                        | 48                                                        | 47                                                        | 51                                                         | 48                                                        |
| 197                   | 09                   | 21                   | 106                                             | 81                                               | 55                                                    | 88                                                  | 74                                     | 48                                                        | 48                                                        | 47                                                        | 50                                                         | 49                                                        |
| 198                   | 09                   | 42                   | 105                                             | 79                                               | 55                                                    | 88                                                  | 73                                     | 48                                                        | 48                                                        | 47                                                        | 51                                                         | 49                                                        |
| 199                   | 09                   | 3                    | 105                                             | 80                                               | 55                                                    | 90                                                  | 74                                     | 48                                                        | 48                                                        | 46                                                        | 51                                                         | 49                                                        |
| 200                   | 09                   | 25                   | 106                                             | 79                                               | 56                                                    | 89                                                  | 74                                     | 48                                                        | 48                                                        | 48                                                        | 52                                                         | 49                                                        |
| 201                   | 09                   | 46                   | 106                                             | 80                                               | 56                                                    | 92                                                  | 73                                     | 48                                                        | 48                                                        | 47                                                        | 52                                                         | 49                                                        |
| 202                   | 09                   | 7                    | 106                                             | 79                                               | 56                                                    | 92                                                  | 73                                     | 48                                                        | 48                                                        | 47                                                        | 52                                                         | 49                                                        |
| 203                   | 09                   | 29                   | 106                                             | 79                                               | 56                                                    | 92                                                  | 72                                     | 48                                                        | 48                                                        | 48                                                        | 52                                                         | 50                                                        |
| 204                   | 09                   | 50                   | 106                                             | 80                                               | 56                                                    | 94                                                  | 73                                     | 48                                                        | 48                                                        | 47                                                        | 52                                                         | 49                                                        |
| 205                   | 09                   | 11                   | 106                                             | 79                                               | 56                                                    | 93                                                  | 72                                     | 48                                                        | 48                                                        | 47                                                        | 51                                                         | 49                                                        |
| 206                   | 09                   | 33                   | 106                                             | 80                                               | 57                                                    | 96                                                  | 72                                     | 48                                                        | 48                                                        | 47                                                        | 51                                                         | 49                                                        |
| 207                   | 09                   | 54                   | 105                                             | 79                                               | 57                                                    | 95                                                  | 71                                     | 48                                                        | 48                                                        | 47                                                        | 52                                                         | 49                                                        |
| 208                   | 09                   | 15                   | 106                                             | 79                                               | 57                                                    | 96                                                  | 72                                     | 48                                                        | 48                                                        | 48                                                        | 52                                                         | 49                                                        |
| 209                   | 09                   | 37                   | 106                                             | 79                                               | 57                                                    | 96                                                  | 72                                     | 48                                                        | 48                                                        | 47                                                        | 51                                                         | 49                                                        |
| 210                   | 09                   | 58                   | 105                                             | 79                                               | 57                                                    | 96                                                  | 71                                     | 48                                                        | 48                                                        | 46                                                        | 50                                                         | 50                                                        |
| 211                   | 09                   | 10                   | 105                                             | 79                                               | 57                                                    | 97                                                  | 71                                     | 48                                                        | 48                                                        | 47                                                        | 50                                                         | 49                                                        |
| 212                   | 09                   | 41                   | 105                                             | 80                                               | 57                                                    | 99                                                  | 71                                     | 46                                                        | 47                                                        | 46                                                        | 50                                                         | 50                                                        |
| 213                   | 09                   | 2                    | 105                                             | 79                                               | 58                                                    | 97                                                  | 71                                     | 48                                                        | 48                                                        | 46                                                        | 50                                                         | 50                                                        |
| 214                   | 10                   | 23                   | 105                                             | 80                                               | 58                                                    | 97                                                  | 71                                     | 48                                                        | 47                                                        | 47                                                        | 49                                                         | 49                                                        |
| 215                   | 10                   | 44                   | 105                                             | 78                                               | 58                                                    | 100                                                 | 71                                     | 48                                                        | 48                                                        | 47                                                        | 51                                                         | 49                                                        |
| 216                   | 10                   | 6                    | 105                                             | 79                                               | 61                                                    | 99                                                  | 71                                     | 48                                                        | 48                                                        | 46                                                        | 51                                                         | 51                                                        |
| 217                   | 10                   | 27                   | 105                                             | 79                                               | 59                                                    | 99                                                  | 70                                     | 48                                                        | 47                                                        | 47                                                        | 50                                                         | 50                                                        |
| 218                   | 10                   | 49                   | 105                                             | 78                                               | 59                                                    | 99                                                  | 70                                     | 48                                                        | 47                                                        | 46                                                        | 50                                                         | 49                                                        |
| 219                   | 10                   | 10                   | 104                                             | 78                                               | 59                                                    | 101                                                 | 69                                     | 48                                                        | 46                                                        | 46                                                        | 50                                                         | 49                                                        |
| 220                   | 10                   | 31                   | 104                                             | 78                                               | 59                                                    | 100                                                 | 69                                     | 48                                                        | 47                                                        | 46                                                        | 50                                                         | 48                                                        |
| 221                   | 10                   | 53                   | 104                                             | 78                                               | 60                                                    | 100                                                 | 69                                     | 48                                                        | 46                                                        | 46                                                        | 50                                                         | 49                                                        |
| 222                   | 10                   | 14                   | 104                                             | 78                                               | 60                                                    | 100                                                 | 69                                     | 48                                                        | 46                                                        | 46                                                        | 50                                                         | 48                                                        |
| 223                   | 10                   | 36                   | 104                                             | 79                                               | 61                                                    | 102                                                 | 69                                     | 48                                                        | 46                                                        | 46                                                        | 51                                                         | 48                                                        |
| 224                   | 10                   | 57                   | 104                                             | 78                                               | 60                                                    | 101                                                 | 69                                     | 48                                                        | 46                                                        | 46                                                        | 51                                                         | 48                                                        |
| 225                   | 10                   | 14                   | 104                                             | 60                                               | 60                                                    | 104                                                 | 70                                     | 48                                                        | 46                                                        | 46                                                        | 51                                                         | 50                                                        |
| 226                   | 10                   | 40                   | 105                                             | 60                                               | 60                                                    | 103                                                 | 70                                     | 47                                                        | 46                                                        | 46                                                        | 51                                                         | 50                                                        |



| 358 | -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16                                    |                                          | 5-17                                    |                                          | 5-18                                          |                                     | 5-19                                        |                                | 5-20                                              |                                                   | 5-22                                            |                                                   | 5-23 |  | 5-24 |  | 5-25 |  | 5-26 |  |
|-----|-----------------------|----------------------|----------------------|-----------------------------------------|------------------------------------------|-----------------------------------------|------------------------------------------|-----------------------------------------------|-------------------------------------|---------------------------------------------|--------------------------------|---------------------------------------------------|---------------------------------------------------|-------------------------------------------------|---------------------------------------------------|------|--|------|--|------|--|------|--|
|     |                       |                      |                      | MAIN<br>COOLER<br>INLET<br>OIL<br>DEG.C | MAIN<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | MAIN<br>COOLER<br>INLET<br>OIL<br>DEG.C | MAIN<br>COOLER<br>OUTLET<br>OIL<br>DEG.C | INTER.<br>SEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | SEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | TAIL<br>SEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | GEN.1<br>MASS<br>TEMP<br>DEG.C | L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | L.ELEC<br>COMPT<br>BTM RT<br>AIR<br>TEMP<br>DEG.C | L.ELEC<br>COMPT<br>LEFT<br>AIR<br>TEMP<br>DEG.C | R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |      |  |      |  |      |  |      |  |
| 227 | 105                   | 1                    | 104                  | 79                                      | 59                                       | 105                                     | 69                                       | 48                                            | 46                                  | 51                                          | 50                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 228 | 105                   | 22                   | 105                  | 80                                      | 59                                       | 103                                     | 69                                       | 47                                            | 46                                  | 51                                          | 51                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 229 | 105                   | 44                   | 105                  | 80                                      | 60                                       | 102                                     | 70                                       | 47                                            | 46                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 230 | 106                   | 5                    | 106                  | 81                                      | 60                                       | 104                                     | 70                                       | 46                                            | 46                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 231 | 106                   | 26                   | 105                  | 81                                      | 60                                       | 105                                     | 70                                       | 46                                            | 46                                  | 51                                          | 51                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 232 | 106                   | 48                   | 105                  | 81                                      | 60                                       | 103                                     | 70                                       | 46                                            | 46                                  | 51                                          | 49                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 233 | 107                   | 9                    | 105                  | 80                                      | 60                                       | 102                                     | 70                                       | 46                                            | 46                                  | 51                                          | 50                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 234 | 107                   | 30                   | 105                  | 80                                      | 60                                       | 103                                     | 71                                       | 47                                            | 46                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 235 | 107                   | 52                   | 105                  | 81                                      | 59                                       | 103                                     | 70                                       | 46                                            | 46                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 236 | 108                   | 13                   | 105                  | 80                                      | 60                                       | 104                                     | 70                                       | 46                                            | 46                                  | 51                                          | 53                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 237 | 108                   | 34                   | 105                  | 80                                      | 61                                       | 102                                     | 70                                       | 47                                            | 46                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 238 | 108                   | 56                   | 105                  | 81                                      | 60                                       | 102                                     | 70                                       | 47                                            | 46                                  | 51                                          | 53                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 239 | 109                   | 17                   | 105                  | 81                                      | 60                                       | 104                                     | 70                                       | 47                                            | 46                                  | 51                                          | 53                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 240 | 109                   | 38                   | 105                  | 80                                      | 60                                       | 103                                     | 70                                       | 46                                            | 46                                  | 51                                          | 50                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 241 | 110                   | 0                    | 106                  | 81                                      | 60                                       | 104                                     | 70                                       | 47                                            | 46                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 242 | 110                   | 21                   | 106                  | 81                                      | 60                                       | 104                                     | 69                                       | 47                                            | 46                                  | 51                                          | 53                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 243 | 110                   | 43                   | 106                  | 81                                      | 60                                       | 104                                     | 70                                       | 47                                            | 46                                  | 51                                          | 53                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 244 | 111                   | 4                    | 106                  | 82                                      | 60                                       | 106                                     | 70                                       | 48                                            | 48                                  | 51                                          | 54                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 245 | 111                   | 25                   | 107                  | 81                                      | 60                                       | 104                                     | 70                                       | 47                                            | 47                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 246 | 111                   | 47                   | 106                  | 81                                      | 59                                       | 107                                     | 70                                       | 47                                            | 47                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 247 | 112                   | 8                    | 106                  | 81                                      | 59                                       | 106                                     | 70                                       | 46                                            | 46                                  | 49                                          | 51                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 248 | 112                   | 29                   | 106                  | 82                                      | 59                                       | 107                                     | 69                                       | 47                                            | 47                                  | 49                                          | 51                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 249 | 112                   | 51                   | 106                  | 81                                      | 61                                       | 106                                     | 70                                       | 47                                            | 48                                  | 50                                          | 51                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 250 | 113                   | 12                   | 105                  | 80                                      | 61                                       | 105                                     | 70                                       | 48                                            | 48                                  | 50                                          | 51                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 251 | 113                   | 33                   | 106                  | 80                                      | 62                                       | 107                                     | 69                                       | 48                                            | 48                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 252 | 113                   | 54                   | 106                  | 87                                      | 64                                       | 104                                     | 70                                       | 47                                            | 48                                  | 51                                          | 53                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 253 | 114                   | 15                   | 106                  | 83                                      | 65                                       | 105                                     | 71                                       | 48                                            | 48                                  | 51                                          | 54                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 254 | 114                   | 36                   | 105                  | 83                                      | 69                                       | 104                                     | 72                                       | 48                                            | 48                                  | 50                                          | 54                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 255 | 114                   | 58                   | 105                  | 81                                      | 69                                       | 105                                     | 72                                       | 47                                            | 48                                  | 50                                          | 54                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 256 | 115                   | 19                   | 104                  | 85                                      | 70                                       | 104                                     | 72                                       | 47                                            | 48                                  | 51                                          | 54                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 257 | 115                   | 40                   | 102                  | 81                                      | 72                                       | 102                                     | 73                                       | 47                                            | 48                                  | 51                                          | 53                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 258 | 116                   | 1                    | 100                  | 79                                      | 70                                       | 101                                     | 72                                       | 48                                            | 48                                  | 51                                          | 52                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 259 | 116                   | 22                   | 100                  | 78                                      | 68                                       | 102                                     | 71                                       | 48                                            | 47                                  | 51                                          | 50                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 260 | 116                   | 43                   | 101                  | 78                                      | 64                                       | 101                                     | 71                                       | 47                                            | 48                                  | 51                                          | 49                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 261 | 117                   | 4                    | 101                  | 76                                      | 64                                       | 99                                      | 69                                       | 48                                            | 48                                  | 51                                          | 48                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 262 | 117                   | 25                   | 101                  | 76                                      | 62                                       | 98                                      | 69                                       | 46                                            | 48                                  | 51                                          | 47                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 263 | 117                   | 47                   | 101                  | 76                                      | 65                                       | 94                                      | 70                                       | 47                                            | 48                                  | 50                                          | 46                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 264 | 118                   | 8                    | 101                  | 76                                      | 65                                       | 96                                      | 69                                       | 46                                            | 48                                  | 50                                          | 46                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 265 | 118                   | 29                   | 100                  | 77                                      | 66                                       | 92                                      | 69                                       | 46                                            | 48                                  | 48                                          | 46                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 266 | 118                   | 50                   | 99                   | 75                                      | 66                                       | 96                                      | 69                                       | 46                                            | 48                                  | 48                                          | 46                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 267 | 119                   | 11                   | 98                   | 75                                      | 66                                       | 94                                      | 68                                       | 47                                            | 48                                  | 47                                          | 45                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 268 | 119                   | 32                   | 98                   | 75                                      | 65                                       | 91                                      | 68                                       | 47                                            | 47                                  | 46                                          | 46                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 269 | 119                   | 53                   | 97                   | 74                                      | 65                                       | 90                                      | 68                                       | 47                                            | 46                                  | 47                                          | 45                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 270 | 120                   | 14                   | 96                   | 74                                      | 65                                       | 88                                      | 67                                       | 46                                            | 46                                  | 46                                          | 44                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 271 | 120                   | 35                   | 95                   | 73                                      | 64                                       | 91                                      | 67                                       | 46                                            | 45                                  | 46                                          | 44                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 272 | 120                   | 56                   | 94                   | 74                                      | 63                                       | 90                                      | 66                                       | 45                                            | 45                                  | 47                                          | 44                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 273 | 121                   | 17                   | 93                   | 73                                      | 62                                       | 88                                      | 66                                       | 45                                            | 45                                  | 46                                          | 45                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 274 | 121                   | 38                   | 94                   | 74                                      | 62                                       | 88                                      | 65                                       | 44                                            | 44                                  | 46                                          | 44                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 275 | 121                   | 59                   | 94                   | 73                                      | 62                                       | 85                                      | 65                                       | 44                                            | 44                                  | 47                                          | 45                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |
| 276 | 122                   | 20                   | 93                   | 73                                      | 61                                       | 83                                      | 65                                       | 45                                            | 44                                  | 46                                          | 44                             |                                                   |                                                   |                                                 |                                                   |      |  |      |  |      |  |      |  |

| -01-<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-16<br>MAIN<br>COOLER<br>INLET<br>OIL<br>TEMP<br>DEG.C | 5-17<br>MAIN<br>COOLER<br>OUTLET<br>OIL<br>TEMP<br>DEG.C | 5-18<br>INTER.<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-19<br>TAIL<br>GEAR<br>BOX<br>OIL<br>TEMP<br>DEG.C | 5-20<br>GEN.1<br>WASS<br>TEMP<br>DEG.C | 5-22<br>L.ELEC<br>COMPT<br>TOPCTR<br>AIR<br>TEMP<br>DEG.C | 5-23<br>L.ELEC<br>COMPT<br>8TH RT<br>AIR<br>TEMP<br>DEG.C | 5-24<br>L.ELEC<br>COMPT<br>8TH RT<br>AIR<br>TEMP<br>DEG.C | 5-25<br>R.ELEC<br>COMPT<br>LEFT<br>AIR<br>TEMP<br>DEG.C | 5-26<br>R.ELEC<br>COMPT<br>CENTER<br>AIR<br>TEMP<br>DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|
| 277                    | 132                  | 41                   | 92                                                      | 72                                                       | 61                                                    | 85                                                  | 66                                     | 45                                                        | 45                                                        | 45                                                        | 47                                                      | 45                                                        |
| 278                    | 133                  | 2                    | 92                                                      | 72                                                       | 60                                                    | 82                                                  | 67                                     | 45                                                        | 45                                                        | 45                                                        | 46                                                      | 46                                                        |
| 279                    | 133                  | 23                   | 90                                                      | 71                                                       | 58                                                    | 85                                                  | 66                                     | 46                                                        | 46                                                        | 44                                                        | 47                                                      | 46                                                        |
| 280                    | 133                  | 44                   | 90                                                      | 70                                                       | 55                                                    | 85                                                  | 66                                     | 46                                                        | 46                                                        | 44                                                        | 47                                                      | 46                                                        |
| 281                    | 134                  | 5                    | 89                                                      | 70                                                       | 54                                                    | 85                                                  | 65                                     | 45                                                        | 45                                                        | 44                                                        | 46                                                      | 45                                                        |
| 282                    | 134                  | 26                   | 91                                                      | 70                                                       | 56                                                    | 84                                                  | 65                                     | 45                                                        | 45                                                        | 44                                                        | 46                                                      | 45                                                        |
| 283                    | 134                  | 47                   | 89                                                      | 71                                                       | 59                                                    | 79                                                  | 65                                     | 45                                                        | 45                                                        | 44                                                        | 46                                                      | 45                                                        |
| 284                    | 135                  | 8                    | 89                                                      | 71                                                       | 60                                                    | 79                                                  | 66                                     | 45                                                        | 45                                                        | 44                                                        | 46                                                      | 45                                                        |
| 285                    | 135                  | 29                   | 90                                                      | 71                                                       | 60                                                    | 82                                                  | 64                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 44                                                        |
| 286                    | 135                  | 51                   | 89                                                      | 70                                                       | 59                                                    | 82                                                  | 64                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 44                                                        |
| 287                    | 136                  | 12                   | 87                                                      | 71                                                       | 59                                                    | 79                                                  | 65                                     | 45                                                        | 44                                                        | 44                                                        | 46                                                      | 43                                                        |
| 288                    | 136                  | 33                   | 90                                                      | 70                                                       | 59                                                    | 82                                                  | 64                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 44                                                        |
| 289                    | 136                  | 54                   | 90                                                      | 70                                                       | 59                                                    | 78                                                  | 64                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 44                                                        |
| 290                    | 137                  | 15                   | 89                                                      | 69                                                       | 58                                                    | 79                                                  | 64                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 44                                                        |
| 291                    | 137                  | 36                   | 89                                                      | 69                                                       | 58                                                    | 77                                                  | 64                                     | 43                                                        | 44                                                        | 43                                                        | 45                                                      | 44                                                        |
| 292                    | 137                  | 57                   | 88                                                      | 68                                                       | 56                                                    | 73                                                  | 63                                     | 44                                                        | 43                                                        | 43                                                        | 45                                                      | 44                                                        |
| 293                    | 138                  | 17                   | 88                                                      | 68                                                       | 57                                                    | 72                                                  | 65                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 46                                                        |
| 294                    | 138                  | 37                   | 87                                                      | 69                                                       | 53                                                    | 78                                                  | 66                                     | 44                                                        | 45                                                        | 44                                                        | 47                                                      | 46                                                        |
| 295                    | 138                  | 58                   | 86                                                      | 68                                                       | 45                                                    | 74                                                  | 65                                     | 44                                                        | 45                                                        | 43                                                        | 46                                                      | 46                                                        |
| 296                    | 139                  | 19                   | 86                                                      | 68                                                       | 45                                                    | 79                                                  | 64                                     | 44                                                        | 45                                                        | 43                                                        | 46                                                      | 45                                                        |
| 297                    | 139                  | 41                   | 86                                                      | 68                                                       | 45                                                    | 75                                                  | 64                                     | 44                                                        | 45                                                        | 43                                                        | 47                                                      | 45                                                        |
| 298                    | 139                  | 2                    | 86                                                      | 68                                                       | 45                                                    | 79                                                  | 64                                     | 44                                                        | 45                                                        | 43                                                        | 47                                                      | 45                                                        |
| 299                    | 139                  | 23                   | 86                                                      | 68                                                       | 45                                                    | 79                                                  | 64                                     | 44                                                        | 45                                                        | 43                                                        | 47                                                      | 45                                                        |
| 300                    | 139                  | 44                   | 87                                                      | 69                                                       | 45                                                    | 77                                                  | 64                                     | 44                                                        | 44                                                        | 43                                                        | 47                                                      | 46                                                        |
| 301                    | 139                  | 5                    | 86                                                      | 69                                                       | 45                                                    | 77                                                  | 64                                     | 44                                                        | 44                                                        | 43                                                        | 46                                                      | 46                                                        |
| 302                    | 139                  | 26                   | 87                                                      | 68                                                       | 45                                                    | 74                                                  | 65                                     | 44                                                        | 44                                                        | 44                                                        | 45                                                      | 45                                                        |
| 303                    | 139                  | 47                   | 86                                                      | 68                                                       | 45                                                    | 79                                                  | 64                                     | 44                                                        | 44                                                        | 43                                                        | 46                                                      | 46                                                        |
| 304                    | 139                  | 6                    | 85                                                      | 68                                                       | 47                                                    | 79                                                  | 64                                     | 44                                                        | 44                                                        | 43                                                        | 47                                                      | 46                                                        |
| 305                    | 139                  | 30                   | 85                                                      | 67                                                       | 48                                                    | 79                                                  | 65                                     | 44                                                        | 44                                                        | 43                                                        | 46                                                      | 46                                                        |
| 306                    | 139                  | 51                   | 85                                                      | 66                                                       | 48                                                    | 76                                                  | 64                                     | 44                                                        | 44                                                        | 43                                                        | 46                                                      | 47                                                        |
| 307                    | 139                  | 12                   | 85                                                      | 68                                                       | 43                                                    | 79                                                  | 65                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 48                                                        |
| 308                    | 139                  | 33                   | 86                                                      | 68                                                       | 49                                                    | 79                                                  | 65                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 48                                                        |
| 309                    | 139                  | 55                   | 87                                                      | 71                                                       | 51                                                    | 79                                                  | 65                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 48                                                        |
| 310                    | 139                  | 16                   | 87                                                      | 70                                                       | 51                                                    | 79                                                  | 65                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 48                                                        |
| 311                    | 139                  | 37                   | 86                                                      | 70                                                       | 51                                                    | 81                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 47                                                        |
| 312                    | 139                  | 58                   | 87                                                      | 70                                                       | 52                                                    | 82                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 46                                                        |
| 313                    | 139                  | 19                   | 87                                                      | 70                                                       | 54                                                    | 79                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 45                                                        |
| 314                    | 139                  | 40                   | 86                                                      | 70                                                       | 54                                                    | 81                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 45                                                        |
| 315                    | 139                  | 2                    | 85                                                      | 71                                                       | 55                                                    | 82                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 46                                                        |
| 316                    | 139                  | 23                   | 85                                                      | 70                                                       | 55                                                    | 82                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 45                                                        |
| 317                    | 139                  | 44                   | 85                                                      | 70                                                       | 55                                                    | 82                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 47                                                      | 45                                                        |
| 318                    | 139                  | 5                    | 85                                                      | 70                                                       | 55                                                    | 79                                                  | 66                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |
| 319                    | 139                  | 26                   | 85                                                      | 69                                                       | 56                                                    | 85                                                  | 69                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |
| 320                    | 139                  | 46                   | 84                                                      | 69                                                       | 56                                                    | 82                                                  | 70                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |
| 321                    | 139                  | 5                    | 83                                                      | 69                                                       | 57                                                    | 80                                                  | 69                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |
| 322                    | 139                  | 31                   | 84                                                      | 70                                                       | 58                                                    | 79                                                  | 72                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |
| 323                    | 139                  | 52                   | 83                                                      | 71                                                       | 59                                                    | 81                                                  | 71                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |
| 324                    | 139                  | 13                   | 83                                                      | 71                                                       | 60                                                    | 72                                                  | 73                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 46                                                        |
| 325                    | 139                  | 34                   | 83                                                      | 70                                                       | 60                                                    | 72                                                  | 71                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |
| 326                    | 139                  | 55                   | 81                                                      | 70                                                       | 61                                                    | 72                                                  | 71                                     | 44                                                        | 44                                                        | 44                                                        | 46                                                      | 45                                                        |

-01  
SWEEP  
COUNT

5-02  
YIME  
PLIN.

10

5-03  
TIME  
SEC.

167

5-16  
MAIN  
3.80X  
COOLER  
INLET  
OIL  
DEG.C

81 79

5-17  
MAIN  
5. BOX  
COOLER  
OUTLET  
OIL  
DEG.C

70 71

5-18  
WINTER.  
GEAR BOX  
OIL  
TEMP  
DE 5.0

29  
19

5-19  
TAIL  
YEAR  
BOX  
OIL  
TEMP  
DEC.C

72 72

| 5-20 | GEN. 1 | MASS | TEMP | DEG. C |
|------|--------|------|------|--------|
| 1    | 1      | 1    | 1    | 1      |
| 2    | 2      | 2    | 2    | 2      |
| 3    | 3      | 3    | 3    | 3      |
| 4    | 4      | 4    | 4    | 4      |
| 5    | 5      | 5    | 5    | 5      |
| 6    | 6      | 6    | 6    | 6      |
| 7    | 7      | 7    | 7    | 7      |
| 8    | 8      | 8    | 8    | 8      |
| 9    | 9      | 9    | 9    | 9      |
| 10   | 10     | 10   | 10   | 10     |
| 11   | 11     | 11   | 11   | 11     |
| 12   | 12     | 12   | 12   | 12     |
| 13   | 13     | 13   | 13   | 13     |
| 14   | 14     | 14   | 14   | 14     |
| 15   | 15     | 15   | 15   | 15     |
| 16   | 16     | 16   | 16   | 16     |
| 17   | 17     | 17   | 17   | 17     |
| 18   | 18     | 18   | 18   | 18     |
| 19   | 19     | 19   | 19   | 19     |
| 20   | 20     | 20   | 20   | 20     |
| 21   | 21     | 21   | 21   | 21     |
| 22   | 22     | 22   | 22   | 22     |
| 23   | 23     | 23   | 23   | 23     |
| 24   | 24     | 24   | 24   | 24     |
| 25   | 25     | 25   | 25   | 25     |
| 26   | 26     | 26   | 26   | 26     |
| 27   | 27     | 27   | 27   | 27     |
| 28   | 28     | 28   | 28   | 28     |
| 29   | 29     | 29   | 29   | 29     |
| 30   | 30     | 30   | 30   | 30     |
| 31   | 31     | 31   | 31   | 31     |
| 32   | 32     | 32   | 32   | 32     |
| 33   | 33     | 33   | 33   | 33     |
| 34   | 34     | 34   | 34   | 34     |
| 35   | 35     | 35   | 35   | 35     |
| 36   | 36     | 36   | 36   | 36     |
| 37   | 37     | 37   | 37   | 37     |
| 38   | 38     | 38   | 38   | 38     |
| 39   | 39     | 39   | 39   | 39     |
| 40   | 40     | 40   | 40   | 40     |
| 41   | 41     | 41   | 41   | 41     |
| 42   | 42     | 42   | 42   | 42     |
| 43   | 43     | 43   | 43   | 43     |
| 44   | 44     | 44   | 44   | 44     |
| 45   | 45     | 45   | 45   | 45     |
| 46   | 46     | 46   | 46   | 46     |
| 47   | 47     | 47   | 47   | 47     |
| 48   | 48     | 48   | 48   | 48     |
| 49   | 49     | 49   | 49   | 49     |
| 50   | 50     | 50   | 50   | 50     |
| 51   | 51     | 51   | 51   | 51     |
| 52   | 52     | 52   | 52   | 52     |
| 53   | 53     | 53   | 53   | 53     |
| 54   | 54     | 54   | 54   | 54     |
| 55   | 55     | 55   | 55   | 55     |
| 56   | 56     | 56   | 56   | 56     |
| 57   | 57     | 57   | 57   | 57     |
| 58   | 58     | 58   | 58   | 58     |
| 59   | 59     | 59   | 59   | 59     |
| 60   | 60     | 60   | 60   | 60     |
| 61   | 61     | 61   | 61   | 61     |
| 62   | 62     | 62   | 62   | 62     |
| 63   | 63     | 63   | 63   | 63     |
| 64   | 64     | 64   | 64   | 64     |
| 65   | 65     | 65   | 65   | 65     |
| 66   | 66     | 66   | 66   | 66     |
| 67   | 67     | 67   | 67   | 67     |
| 68   | 68     | 68   | 68   | 68     |
| 69   | 69     | 69   | 69   | 69     |
| 70   | 70     | 70   | 70   | 70     |
| 71   | 71     | 71   | 71   | 71     |
| 72   | 72     | 72   | 72   | 72     |
| 73   | 73     | 73   | 73   | 73     |
| 74   | 74     | 74   | 74   | 74     |
| 75   | 75     | 75   | 75   | 75     |
| 76   | 76     | 76   | 76   | 76     |
| 77   | 77     | 77   | 77   | 77     |
| 78   | 78     | 78   | 78   | 78     |
| 79   | 79     | 79   | 79   | 79     |
| 80   | 80     | 80   | 80   | 80     |
| 81   | 81     | 81   | 81   | 81     |
| 82   | 82     | 82   | 82   | 82     |
| 83   | 83     | 83   | 83   | 83     |
| 84   | 84     | 84   | 84   | 84     |
| 85   | 85     | 85   | 85   | 85     |
| 86   | 86     | 86   | 86   | 86     |
| 87   | 87     | 87   | 87   |        |

1471

5-22  
ELEC  
COMPT  
OPCTR  
AIR  
TEMP  
DESG

55

5-23  
ELEC  
COMPT  
TH RT  
AIR  
TEMP  
DES.C

55 56

5-24  
ELEC  
COMPT  
TMLFT  
AIR  
TEMP  
DEG.C

25

5-23  
ELEC  
COMPT  
LEFT  
FYAIR  
TEMP  
DEG.C

100

5-20  
ELEC  
COMPT  
ENTER AIR  
TEMP  
DEG.C

9

HN-53C S/N 88-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -81<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>L33LV<br>TEMP<br>DEG.C | 5-29<br>SEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|----------------------------------------------------------|----------------------------------------|
| 32                    | 22                   | 19                   | 48                                                           | 36                                                       | 49                                     |
| 33                    | 32                   | 48                   | 48                                                           | 36                                                       | 49                                     |
| 34                    | 33                   | 2                    | 48                                                           | 36                                                       | 49                                     |
| 35                    | 34                   | 53                   | 49                                                           | 36                                                       | 49                                     |
| 36                    | 35                   | 19                   | 46                                                           | 33                                                       | 46                                     |
| 37                    | 36                   | 32                   | 46                                                           | 34                                                       | 47                                     |
| 38                    | 37                   | 3                    | 46                                                           | 34                                                       | 48                                     |
| 39                    | 38                   | 25                   | 46                                                           | 34                                                       | 48                                     |
| 40                    | 39                   | 46                   | 47                                                           | 34                                                       | 48                                     |
| 41                    | 40                   | 8                    | 48                                                           | 34                                                       | 47                                     |
| 42                    | 41                   | 29                   | 48                                                           | 34                                                       | 47                                     |
| 43                    | 42                   | 51                   | 48                                                           | 34                                                       | 48                                     |
| 44                    | 43                   | 12                   | 48                                                           | 34                                                       | 47                                     |
| 45                    | 44                   | 34                   | 48                                                           | 34                                                       | 47                                     |
| 46                    | 45                   | 55                   | 47                                                           | 34                                                       | 47                                     |
| 47                    | 46                   | 17                   | 48                                                           | 34                                                       | 47                                     |
| 48                    | 47                   | 38                   | 48                                                           | 34                                                       | 47                                     |
| 49                    | 48                   | 8                    | 48                                                           | 33                                                       | 47                                     |
| 50                    | 49                   | 21                   | 48                                                           | 34                                                       | 46                                     |
| 51                    | 50                   | 43                   | 48                                                           | 34                                                       | 46                                     |
| 52                    | 51                   | 4                    | 48                                                           | 34                                                       | 47                                     |
| 53                    | 52                   | 25                   | 48                                                           | 34                                                       | 45                                     |
| 54                    | 53                   | 47                   | 48                                                           | 34                                                       | 46                                     |
| 55                    | 54                   | 8                    | 47                                                           | 34                                                       | 46                                     |
| 56                    | 55                   | 38                   | 48                                                           | 34                                                       | 46                                     |
| 57                    | 56                   | 51                   | 48                                                           | 34                                                       | 47                                     |
| 58                    | 57                   | 13                   | 48                                                           | 33                                                       | 47                                     |
| 59                    | 58                   | 34                   | 49                                                           | 34                                                       | 49                                     |
| 60                    | 59                   | 56                   | 52                                                           | 35                                                       | 51                                     |
| 61                    | 60                   | 17                   | 51                                                           | 35                                                       | 54                                     |
| 62                    | 61                   | 38                   | 50                                                           | 36                                                       | 54                                     |
| 63                    | 62                   | 59                   | 49                                                           | 36                                                       | 55                                     |
| 64                    | 63                   | 20                   | 49                                                           | 36                                                       | 55                                     |
| 65                    | 64                   | 47                   | 50                                                           | 36                                                       | 56                                     |
| 66                    | 65                   | 3                    | 50                                                           | 36                                                       | 56                                     |
| 67                    | 66                   | 24                   | 50                                                           | 36                                                       | 57                                     |
| 68                    | 67                   | 45                   | 50                                                           | 36                                                       | 57                                     |
| 69                    | 68                   | 6                    | 50                                                           | 36                                                       | 57                                     |
| 70                    | 69                   | 27                   | 51                                                           | 36                                                       | 58                                     |
| 71                    | 70                   | 48                   | 50                                                           | 36                                                       | 58                                     |
| 72                    | 71                   | 9                    | 51                                                           | 36                                                       | 59                                     |
| 73                    | 72                   | 30                   | 51                                                           | 36                                                       | 59                                     |
| 74                    | 73                   | 51                   | 50                                                           | 36                                                       | 60                                     |
| 75                    | 74                   | 12                   | 51                                                           | 36                                                       | 61                                     |
| 76                    | 75                   | 34                   | 51                                                           | 36                                                       | 62                                     |

482

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.HAIN<br>FUEL<br>CELL<br>1/3 LVL<br>TEMP<br>DEG.C | 5-29<br>GEN.2<br>HASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|------------------------------------------------------------|----------------------------------------|
| 77                    | 51                   | 55                   | 51                                                           | 36                                                         | 62                                     |
| 78                    | 52                   | 16                   | 51                                                           | 36                                                         | 62                                     |
| 79                    | 52                   | 37                   | 52                                                           | 36                                                         | 63                                     |
| 80                    | 52                   | 58                   | 51                                                           | 36                                                         | 63                                     |
| 81                    | 53                   | 19                   | 51                                                           | 36                                                         | 64                                     |
| 82                    | 53                   | 40                   | 51                                                           | 36                                                         | 64                                     |
| 83                    | 54                   | 2                    | 51                                                           | 36                                                         | 65                                     |
| 84                    | 54                   | 23                   | 52                                                           | 36                                                         | 65                                     |
| 85                    | 54                   | 44                   | 53                                                           | 36                                                         | 65                                     |
| 86                    | 55                   | 5                    | 52                                                           | 36                                                         | 65                                     |
| 87                    | 55                   | 26                   | 52                                                           | +                                                          | +                                      |
| 88                    | 55                   | 47                   | 52                                                           | 36                                                         | 66                                     |
| 89                    | 56                   | 8                    | 52                                                           | 36                                                         | 66                                     |
| 90                    | 56                   | 29                   | +                                                            | 36                                                         | 67                                     |
| 91                    | 57                   | 50                   | 52                                                           | 36                                                         | 68                                     |
| 92                    | 57                   | 11                   | 53                                                           | 36                                                         | 68                                     |
| 93                    | 57                   | 32                   | 52                                                           | 36                                                         | 69                                     |
| 94                    | 57                   | 53                   | 52                                                           | 36                                                         | 69                                     |
| 95                    | 58                   | 14                   | 52                                                           | 36                                                         | 69                                     |
| 96                    | 58                   | 35                   | 52                                                           | 36                                                         | 70                                     |
| 97                    | 58                   | 56                   | 52                                                           | 36                                                         | 71                                     |
| 98                    | 59                   | 17                   | 52                                                           | 36                                                         | 71                                     |
| 99                    | 59                   | 38                   | 52                                                           | 36                                                         | 71                                     |
| 100                   | 59                   | 59                   | 51                                                           | 36                                                         | 71                                     |
| 101                   | 60                   | 20                   | 52                                                           | 36                                                         | 71                                     |
| 102                   | 60                   | 41                   | 51                                                           | 36                                                         | 71                                     |
| 103                   | 61                   | 2                    | 52                                                           | 36                                                         | 71                                     |
| 104                   | 61                   | 23                   | 51                                                           | 36                                                         | 71                                     |
| 105                   | +                    | +                    | 49                                                           | 36                                                         | 71                                     |
| 106                   | 52                   | 6                    | 49                                                           | 36                                                         | 71                                     |
| 107                   | 62                   | 27                   | 49                                                           | 36                                                         | 72                                     |
| 108                   | 62                   | 48                   | 51                                                           | 36                                                         | 72                                     |
| 109                   | 63                   | 9                    | +                                                            | +                                                          | +                                      |
| 110                   | 63                   | 30                   | 51                                                           | 36                                                         | 73                                     |
| 111                   | 63                   | 52                   | 51                                                           | 36                                                         | 72                                     |
| 112                   | 64                   | 13                   | 51                                                           | 36                                                         | 73                                     |
| 113                   | 64                   | 34                   | 51                                                           | 36                                                         | 74                                     |
| 114                   | 64                   | 55                   | 51                                                           | 36                                                         | 74                                     |
| 115                   | 65                   | 17                   | 52                                                           | 35                                                         | 75                                     |
| 116                   | 65                   | 38                   | 53                                                           | 36                                                         | 75                                     |
| 117                   | 65                   | 59                   | 53                                                           | 36                                                         | 75                                     |
| 118                   | 66                   | 20                   | 55                                                           | 36                                                         | 75                                     |
| 119                   | 66                   | 42                   | 53                                                           | 36                                                         | 75                                     |
| 120                   | 67                   | 3                    | 52                                                           | 35                                                         | 74                                     |
| 121                   | 67                   | 24                   | 51                                                           | 36                                                         | 75                                     |
| 122                   | 67                   | 46                   | 51                                                           | 36                                                         | 74                                     |
| 123                   | 68                   | 7                    | 50                                                           | 36                                                         | +                                      |
| 124                   | 68                   | 28                   | 50                                                           | 36                                                         | 73                                     |
| 125                   | 69                   | 50                   | 50                                                           | 36                                                         | 74                                     |
| 126                   | 69                   | 11                   | 50                                                           | 36                                                         | 74                                     |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>A.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.NAIN<br>FUEL<br>CELL<br>1/31VL<br>TEMP<br>DEG.C | 5-29<br>GEN#2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|
| 127                   | 69                   | 32                   | 98                                                           | 36                                                        | 73                                     |
| 128                   | 69                   | 53                   | 98                                                           | 36                                                        | 74                                     |
| 129                   | 70                   | 15                   | 49                                                           | 36                                                        | 73                                     |
| 130                   | 70                   | 30                   | 58                                                           | 36                                                        | 74                                     |
| 131                   | 70                   | 57                   | 49                                                           | 36                                                        | 74                                     |
| 132                   | 71                   | 16                   | 58                                                           | 35                                                        | 73                                     |
| 133                   | 71                   | 46                   | 49                                                           | 36                                                        | 73                                     |
| 134                   | 72                   | 1                    | 49                                                           | 35                                                        | 73                                     |
| 135                   | 72                   | 22                   | 48                                                           | 36                                                        | 74                                     |
| 136                   | 72                   | 43                   | 49                                                           | 36                                                        | 74                                     |
| 137                   | 73                   | 6                    | 49                                                           | 36                                                        | 73                                     |
| 138                   | 73                   | 26                   | 42                                                           | 36                                                        | 73                                     |
| 139                   | 73                   | 47                   | 49                                                           | 36                                                        | 74                                     |
| 140                   | 74                   | 8                    | 49                                                           | 36                                                        | 74                                     |
| 141                   | 74                   | 29                   | 4                                                            | 4                                                         | 0                                      |
| 142                   | 74                   | 51                   | 49                                                           | 36                                                        | 73                                     |
| 143                   | 75                   | 12                   | 49                                                           | 36                                                        | 73                                     |
| 144                   | 75                   | 33                   | 49                                                           | 36                                                        | 73                                     |
| 145                   | 75                   | 54                   | 49                                                           | 36                                                        | 73                                     |
| 146                   | 76                   | 16                   | 49                                                           | 36                                                        | 74                                     |
| 147                   | 76                   | 37                   | 49                                                           | 33                                                        | 74                                     |
| 148                   | 76                   | 58                   | 49                                                           | 36                                                        | 73                                     |
| 149                   | 77                   | 19                   | 49                                                           | 36                                                        | 0                                      |
| 150                   | 77                   | 41                   | 49                                                           | 36                                                        | 74                                     |
| 151                   | 78                   | 2                    | 49                                                           | 36                                                        | 74                                     |
| 152                   | 78                   | 23                   | 48                                                           | 36                                                        | 74                                     |
| 153                   | 78                   | 44                   | 51                                                           | 36                                                        | 73                                     |
| 154                   | 79                   | 6                    | 51                                                           | 36                                                        | 73                                     |
| 155                   | 79                   | 27                   | 49                                                           | 36                                                        | 73                                     |
| 156                   | 79                   | 48                   | 49                                                           | 36                                                        | 73                                     |
| 157                   | 80                   | 9                    | 48                                                           | 36                                                        | 73                                     |
| 158                   | 80                   | 31                   | 49                                                           | 36                                                        | 73                                     |
| 159                   | 80                   | 52                   | 52                                                           | 36                                                        | 73                                     |
| 160                   | 81                   | 13                   | 51                                                           | 36                                                        | 73                                     |
| 161                   | 81                   | 35                   | 49                                                           | 36                                                        | 73                                     |
| 162                   | 81                   | 55                   | 49                                                           | 36                                                        | 73                                     |
| 163                   | 82                   | 18                   | 48                                                           | 36                                                        | 73                                     |
| 164                   | 82                   | 33                   | 49                                                           | 36                                                        | 74                                     |
| 165                   | 83                   | 0                    | 49                                                           | 36                                                        | 73                                     |
| 166                   | 83                   | 22                   | 48                                                           | 36                                                        | 73                                     |
| 167                   | 83                   | 43                   | 48                                                           | 36                                                        | 74                                     |
| 168                   | 84                   | 4                    | 49                                                           | 36                                                        | 74                                     |
| 169                   | 84                   | 26                   | 50                                                           | 36                                                        | 75                                     |
| 170                   | 84                   | 47                   | 51                                                           | 36                                                        | 75                                     |
| 171                   | 85                   | 6                    | 50                                                           | 35                                                        | 75                                     |
| 172                   | 85                   | 30                   | 50                                                           | 36                                                        | 75                                     |
| 173                   | 86                   | 51                   | 51                                                           | 36                                                        | 77                                     |
| 174                   | 86                   | 12                   | 51                                                           | 36                                                        | 60                                     |
| 175                   | 86                   | 34                   | 52                                                           | 36                                                        | 77                                     |
| 176                   | 86                   | 55                   | 51                                                           | 36                                                        | 77                                     |

| -01<br>SHEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.FLEC<br>COMPT<br>RIGHT<br>FROAIR<br>TEMP<br>DEG.C | 5-28<br>L-MAIN<br>FUEL<br>CFL<br>1/3LVL<br>TEMP<br>DEG.C | 5-29<br>GEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|----------------------------------------------------------|----------------------------------------|
| 177                   | 87                   | 17                   | 52                                                          | 36                                                       | 78                                     |
| 178                   | 87                   | 38                   | 52                                                          | 36                                                       | 79                                     |
| 179                   | 88                   | 0                    | 53                                                          | 36                                                       | 79                                     |
| 180                   | 88                   | 21                   | 53                                                          | 36                                                       | 79                                     |
| 181                   | 88                   | 42                   | 53                                                          | 36                                                       | 79                                     |
| 182                   | 89                   | 4                    | 52                                                          | 36                                                       | 80                                     |
| 183                   | 89                   | 25                   | 52                                                          | 36                                                       | 80                                     |
| 184                   | 89                   | 46                   | 51                                                          | 36                                                       | 79                                     |
| 185                   | 90                   | 3                    | 49                                                          | 36                                                       | 79                                     |
| 186                   | 90                   | 29                   | 48                                                          | 36                                                       | 77                                     |
| 187                   | 90                   | 50                   | 45                                                          | 36                                                       | 76                                     |
| 188                   | 91                   | 11                   | 44                                                          | 36                                                       | 75                                     |
| 189                   | 91                   | 32                   | 44                                                          | 36                                                       | 75                                     |
| 190                   | 91                   | 53                   | 43                                                          | 36                                                       | 75                                     |
| 191                   | 92                   | 14                   | 43                                                          | 36                                                       | 74                                     |
| 192                   | 92                   | 35                   | 43                                                          | 36                                                       | 74                                     |
| 193                   | 92                   | 56                   | 44                                                          | 36                                                       | 72                                     |
| 194                   | 93                   | 17                   | 44                                                          | 36                                                       | 72                                     |
| 195                   | 93                   | 38                   | 44                                                          | 37                                                       | 73                                     |
| 196                   | 93                   | 59                   | 45                                                          | 36                                                       | 72                                     |
| 197                   | 94                   | 21                   | 46                                                          | 36                                                       | 72                                     |
| 198                   | 94                   | 42                   | 46                                                          | 36                                                       | 71                                     |
| 199                   | 95                   | 3                    | 46                                                          | 36                                                       | 71                                     |
| 200                   | 95                   | 25                   | 46                                                          | 37                                                       | 71                                     |
| 201                   | 95                   | 46                   | 45                                                          | 37                                                       | 71                                     |
| 202                   | 96                   | 7                    | 46                                                          | 36                                                       | 70                                     |
| 203                   | 96                   | 29                   | 46                                                          | 36                                                       | 76                                     |
| 204                   | 96                   | 50                   | 46                                                          | 36                                                       | 70                                     |
| 205                   | 97                   | 11                   | 46                                                          | 36                                                       | 69                                     |
| 206                   | 97                   | 33                   | 45                                                          | 37                                                       | 69                                     |
| 207                   | 97                   | 54                   | 45                                                          | 37                                                       | 69                                     |
| 208                   | 98                   | 15                   | 46                                                          | 36                                                       | 69                                     |
| 209                   | 98                   | 37                   | 46                                                          | 36                                                       | 69                                     |
| 210                   | 98                   | 58                   | 46                                                          | 36                                                       | 68                                     |
| 211                   | 99                   | 19                   | 46                                                          | 37                                                       | 68                                     |
| 212                   | 99                   | 41                   | 46                                                          | 36                                                       | 68                                     |
| 213                   | 100                  | 2                    | 46                                                          | 36                                                       | 68                                     |
| 214                   | 100                  | 23                   | 45                                                          | 36                                                       | 68                                     |
| 215                   | 100                  | 44                   | 46                                                          | 38                                                       | 68                                     |
| 216                   | 101                  | 6                    | 48                                                          | 37                                                       | 66                                     |
| 217                   | 101                  | 27                   | 46                                                          | 36                                                       | 66                                     |
| 218                   | 101                  | 49                   | 46                                                          | 37                                                       | 66                                     |
| 219                   | 102                  | 10                   | 46                                                          | 36                                                       | 66                                     |
| 220                   | 102                  | 31                   | 45                                                          | 36                                                       | 66                                     |
| 221                   | 102                  | 53                   | 45                                                          | 37                                                       | 66                                     |
| 222                   | 103                  | 14                   | 45                                                          | 36                                                       | 66                                     |
| 223                   | 103                  | 36                   | 44                                                          | 37                                                       | 66                                     |
| 224                   | 103                  | 57                   | 45                                                          | 37                                                       | 67                                     |
| 225                   | 104                  | 18                   | 46                                                          | 37                                                       | 67                                     |
| 226                   | 104                  | 40                   | 47                                                          | 37                                                       | 66                                     |

| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/3 LVL<br>TEMP<br>DEG.C | 5-29<br>GEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|------------------------------------------------------------|----------------------------------------|
| 227                   | 105                  | 1                    | 47                                                           | 37                                                         | 67                                     |
| 228                   | 105                  | 22                   | 49                                                           | 37                                                         | 68                                     |
| 229                   | 105                  | 44                   | 41                                                           | 37                                                         | 67                                     |
| 230                   | 106                  | 5                    | 50                                                           | 37                                                         | 67                                     |
| 231                   | 106                  | 26                   | 51                                                           | 36                                                         | 67                                     |
| 232                   | 106                  | 48                   | 52                                                           | 37                                                         | 68                                     |
| 233                   | 107                  | 9                    | 50                                                           | 37                                                         | 68                                     |
| 234                   | 107                  | 38                   | 50                                                           | 37                                                         | 68                                     |
| 235                   | 107                  | 52                   | 49                                                           | 37                                                         | 68                                     |
| 236                   | 108                  | 13                   | 50                                                           | 37                                                         | 68                                     |
| 237                   | 108                  | 34                   | 49                                                           | 36                                                         | 68                                     |
| 238                   | 108                  | 56                   | 50                                                           | 37                                                         | 68                                     |
| 239                   | 109                  | 17                   | 50                                                           | 36                                                         | 67                                     |
| 240                   | 109                  | 38                   | 51                                                           | *                                                          | 68                                     |
| 241                   | 110                  | 0                    | 50                                                           | 37                                                         | 67                                     |
| 242                   | 110                  | 21                   | 50                                                           | 37                                                         | 68                                     |
| 243                   | 110                  | 43                   | 49                                                           | 37                                                         | 68                                     |
| 244                   | 111                  | 4                    | 50                                                           | 37                                                         | 67                                     |
| 245                   | 111                  | 25                   | 48                                                           | 37                                                         | 67                                     |
| 246                   | 111                  | 47                   | 50                                                           | 37                                                         | 67                                     |
| 247                   | 112                  | 0                    | 52                                                           | 37                                                         | 68                                     |
| 248                   | 112                  | 29                   | 53                                                           | 38                                                         | 67                                     |
| 249                   | 112                  | 51                   | 51                                                           | 37                                                         | 68                                     |
| 250                   | 113                  | 12                   | 48                                                           | 37                                                         | 67                                     |
| 251                   | 113                  | 33                   | 49                                                           | 38                                                         | 68                                     |
| 252                   | 113                  | 54                   | 49                                                           | 38                                                         | 69                                     |
| 253                   | 114                  | 15                   | 47                                                           | 38                                                         | 69                                     |
| 254                   | 114                  | 36                   | 49                                                           | 38                                                         | 70                                     |
| 255                   | 114                  | 58                   | 49                                                           | 38                                                         | 71                                     |
| 256                   | 115                  | 19                   | 47                                                           | 38                                                         | 71                                     |
| 257                   | 115                  | 40                   | 50                                                           | 37                                                         | 71                                     |
| 258                   | 116                  | 1                    | 49                                                           | 37                                                         | 71                                     |
| 259                   | 116                  | 22                   | 46                                                           | 38                                                         | 69                                     |
| 260                   | 116                  | 43                   | 44                                                           | 37                                                         | 69                                     |
| 261                   | 117                  | 4                    | 42                                                           | 38                                                         | 68                                     |
| 262                   | 117                  | 25                   | 42                                                           | 38                                                         | 67                                     |
| 263                   | 117                  | 47                   | 41                                                           | 37                                                         | 67                                     |
| 264                   | 117                  | 0                    | 41                                                           | 38                                                         | 68                                     |
| 265                   | 117                  | 22                   | 40                                                           | 38                                                         | 67                                     |
| 266                   | 118                  | 50                   | 39                                                           | 38                                                         | 67                                     |
| 267                   | 119                  | 11                   | 39                                                           | 38                                                         | 66                                     |
| 268                   | 119                  | 32                   | 39                                                           | 38                                                         | 66                                     |
| 269                   | 119                  | 53                   | 40                                                           | 38                                                         | 66                                     |
| 270                   | 120                  | 14                   | 40                                                           | 39                                                         | 65                                     |
| 271                   | 120                  | 35                   | 40                                                           | 39                                                         | 65                                     |
| 272                   | 120                  | 56                   | 40                                                           | 39                                                         | 64                                     |
| 273                   | 121                  | 17                   | 41                                                           | 39                                                         | 63                                     |
| 274                   | 121                  | 38                   | 41                                                           | 39                                                         | 63                                     |
| 275                   | 121                  | 59                   | 42                                                           | 39                                                         | 64                                     |
| 276                   | 121                  | 20                   | 42                                                           | 39                                                         | 63                                     |



| -01<br>SWEEP<br>COUNT | 5-02<br>TIME<br>MIN. | 5-03<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/30WL<br>TEMP<br>DEG.C | 5-29<br>SEN.2<br>MASS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|
| 277                   | 122                  | 41                   | 42                                                           | 39                                                        | 63                                     |
| 278                   | 123                  | 2                    | 42                                                           | 39                                                        | 63                                     |
| 279                   | 123                  | 23                   | 44                                                           | 39                                                        | 63                                     |
| 280                   | 123                  | 44                   | 44                                                           | 38                                                        | 64                                     |
| 281                   | 124                  | 5                    | 43                                                           | 39                                                        | 63                                     |
| 282                   | 124                  | 26                   | 42                                                           | 36                                                        | 63                                     |
| 283                   | 124                  | 47                   | 41                                                           | 38                                                        | 62                                     |
| 284                   | 124                  | 47                   | 41                                                           | 39                                                        | 63                                     |
| 285                   | 125                  | 3                    | 42                                                           | 39                                                        | 62                                     |
| 286                   | 125                  | 29                   | 41                                                           | 38                                                        | 62                                     |
| 287                   | 125                  | 51                   | 41                                                           | 39                                                        | 62                                     |
| 288                   | 126                  | 12                   | 41                                                           | 39                                                        | 61                                     |
| 289                   | 126                  | 33                   | 41                                                           | 39                                                        | 62                                     |
| 290                   | 126                  | 54                   | 40                                                           | 39                                                        | 61                                     |
| 291                   | 127                  | 15                   | 40                                                           | 39                                                        | 62                                     |
| 292                   | 127                  | 36                   | 41                                                           | 39                                                        | 62                                     |
| 293                   | 127                  | 57                   | 41                                                           | 39                                                        | 61                                     |
| 294                   | 128                  | 17                   | 44                                                           | 40                                                        | 61                                     |
| 295                   | 128                  | 37                   | 46                                                           | 39                                                        | 62                                     |
| 296                   | 129                  | 50                   | 44                                                           | 38                                                        | 61                                     |
| 297                   | 129                  | 19                   | 44                                                           | 38                                                        | 61                                     |
| 298                   | 129                  | 41                   | 42                                                           | 39                                                        | 61                                     |
| 299                   | 130                  | 2                    | 42                                                           | 39                                                        | 61                                     |
| 300                   | 130                  | 23                   | 42                                                           | 39                                                        | 61                                     |
| 301                   | 131                  | 44                   | 42                                                           | 39                                                        | 62                                     |
| 302                   | 131                  | 5                    | 42                                                           | 39                                                        | 62                                     |
| 303                   | 131                  | 26                   | 42                                                           | 39                                                        | 62                                     |
| 304                   | 131                  | 47                   | 43                                                           | 39                                                        | 61                                     |
| 305                   | 132                  | 0                    | 44                                                           | 39                                                        | 61                                     |
| 306                   | 132                  | 30                   | 45                                                           | 38                                                        | 62                                     |
| 307                   | 132                  | 51                   | 44                                                           | 39                                                        | 62                                     |
| 308                   | 133                  | 12                   | 44                                                           | 39                                                        | 62                                     |
| 309                   | 133                  | 33                   | 45                                                           | 38                                                        | 62                                     |
| 310                   | 133                  | 55                   | 48                                                           | 39                                                        | 63                                     |
| 311                   | 134                  | 16                   | 44                                                           | 39                                                        | 63                                     |
| 312                   | 134                  | 37                   | 46                                                           | 39                                                        | 64                                     |
| 313                   | 134                  | 58                   | *                                                            | *                                                         | 64                                     |
| 314                   | 135                  | 19                   | 46                                                           | 39                                                        | 65                                     |
| 315                   | 135                  | 48                   | 47                                                           | 40                                                        | 65                                     |
| 316                   | 136                  | 2                    | 48                                                           | 39                                                        | 66                                     |
| 317                   | 136                  | 23                   | 48                                                           | 39                                                        | 66                                     |
| 318                   | 137                  | 44                   | 48                                                           | 40                                                        | 66                                     |
| 319                   | 137                  | 5                    | 48                                                           | 40                                                        | 67                                     |
| 320                   | 137                  | 26                   | 47                                                           | 39                                                        | 68                                     |
| 321                   | 137                  | 48                   | 46                                                           | 39                                                        | 68                                     |
| 322                   | 138                  | 9                    | 46                                                           | 40                                                        | 68                                     |
| 323                   | 138                  | 31                   | 46                                                           | 39                                                        | 69                                     |
| 324                   | 139                  | 52                   | 46                                                           | 40                                                        | 69                                     |
| 325                   | 139                  | 13                   | 46                                                           | 40                                                        | 70                                     |
| 326                   | 139                  | 34                   | 46                                                           | 39                                                        | 70                                     |
| 327                   | 139                  | 55                   | 46                                                           | 40                                                        | 68                                     |

|                       |                      |                      |                                                              |                                                           |                                        |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|
| -01<br>SHEEP<br>COUNT | 5-82<br>TIME<br>MIN. | 5-83<br>TIME<br>SEC. | 5-27<br>R.ELEC<br>COMPT<br>RIGHT<br>FWD AIR<br>TEMP<br>DEG.C | 5-28<br>L.MAIN<br>FUEL<br>CELL<br>1/3LVL<br>TEMP<br>DEG.C | 5-29<br>SEN.2<br>WASS<br>TEMP<br>DEG.C |
| 327                   | 148                  | 16                   | 46                                                           | 40                                                        | 69                                     |
| 328                   | 140                  | 37                   | 46                                                           | 40                                                        | 68                                     |

MH-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLUED<br>AIR<br>TEMP<br>DEG.C | 5-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 32                    | 32                   | 22                   | 43                                                        | 46                                             | 43                                                       | 43                                                        | 50                                                       | 49                                                        | 44                                                      | 42                                                      | 41                                                      | 41                                                      |
| 33                    | 32                   | 41                   | 44                                                        | 47                                             | 43                                                       | 43                                                        | 51                                                       | 50                                                        | 43                                                      | 42                                                      | 41                                                      | 42                                                      |
| 34                    | 33                   | 3                    | 43                                                        | 47                                             | 43                                                       | 43                                                        | 50                                                       | 49                                                        | 44                                                      | 42                                                      | 42                                                      | 42                                                      |
| 35                    | 34                   | 56                   | 44                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 49                                                        | 44                                                      | 42                                                      | 42                                                      | 42                                                      |
| 36                    | 35                   | 21                   | 41                                                        | 43                                             | 40                                                       | 39                                                        | 48                                                       | 47                                                        | 41                                                      | 39                                                      | 38                                                      | 39                                                      |
| 37                    | 37                   | 45                   | 41                                                        | 44                                             | 41                                                       | 39                                                        | 48                                                       | 46                                                        | 41                                                      | 40                                                      | 40                                                      | 39                                                      |
| 38                    | 38                   | 6                    | 41                                                        | 45                                             | 41                                                       | 48                                                        | 48                                                       | 46                                                        | 41                                                      | 40                                                      | 40                                                      | 40                                                      |
| 39                    | 38                   | 27                   | 41                                                        | 44                                             | 41                                                       | 40                                                        | 49                                                       | 48                                                        | 41                                                      | 40                                                      | 40                                                      | 40                                                      |
| 40                    | 39                   | 10                   | 41                                                        | 44                                             | 41                                                       | 40                                                        | 49                                                       | 48                                                        | 41                                                      | 41                                                      | 40                                                      | 40                                                      |
| 41                    | 39                   | 32                   | 41                                                        | 44                                             | 41                                                       | 39                                                        | 49                                                       | 48                                                        | 41                                                      | 41                                                      | 40                                                      | 40                                                      |
| 42                    | 39                   | 53                   | 41                                                        | 44                                             | 41                                                       | 40                                                        | 48                                                       | 48                                                        | 41                                                      | 40                                                      | 39                                                      | 40                                                      |
| 43                    | 39                   | 15                   | 41                                                        | 44                                             | 41                                                       | 39                                                        | 48                                                       | 48                                                        | 41                                                      | 40                                                      | 39                                                      | 40                                                      |
| 44                    | 40                   | 36                   | 41                                                        | 44                                             | 41                                                       | 39                                                        | 48                                                       | 48                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 45                    | 40                   | 58                   | 41                                                        | 44                                             | 40                                                       | 39                                                        | 48                                                       | 48                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 46                    | 40                   | 19                   | 41                                                        | 44                                             | 40                                                       | 39                                                        | 48                                                       | 47                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 47                    | 41                   | 41                   | 41                                                        | 44                                             | 41                                                       | 39                                                        | 48                                                       | 48                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 48                    | 41                   | 2                    | 41                                                        | 44                                             | 41                                                       | 40                                                        | 49                                                       | 47                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 49                    | 42                   | 24                   | 41                                                        | 44                                             | 40                                                       | 40                                                        | 49                                                       | 46                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 50                    | 42                   | 45                   | 41                                                        | 43                                             | 41                                                       | 40                                                        | 49                                                       | 46                                                        | 41                                                      | 39                                                      | 39                                                      | 41                                                      |
| 51                    | 42                   | 7                    | 41                                                        | 43                                             | 40                                                       | 39                                                        | 48                                                       | 47                                                        | 41                                                      | 39                                                      | 39                                                      | 40                                                      |
| 52                    | 43                   | 20                   | 41                                                        | 43                                             | 40                                                       | 40                                                        | 49                                                       | 48                                                        | 42                                                      | 39                                                      | 39                                                      | 39                                                      |
| 53                    | 43                   | 49                   | 41                                                        | 43                                             | 40                                                       | 39                                                        | 48                                                       | 47                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 54                    | 43                   | 11                   | 41                                                        | 43                                             | 39                                                       | 40                                                        | 48                                                       | 47                                                        | 42                                                      | 40                                                      | 39                                                      | 40                                                      |
| 55                    | 44                   | 32                   | 41                                                        | 44                                             | 40                                                       | 40                                                        | 49                                                       | 48                                                        | 41                                                      | 40                                                      | 39                                                      | 40                                                      |
| 56                    | 44                   | 54                   | 41                                                        | 44                                             | 40                                                       | 40                                                        | 49                                                       | 48                                                        | 41                                                      | 40                                                      | 39                                                      | 40                                                      |
| 57                    | 44                   | 15                   | 41                                                        | 44                                             | 40                                                       | 39                                                        | 48                                                       | 47                                                        | 41                                                      | 39                                                      | 39                                                      | 40                                                      |
| 58                    | 45                   | 37                   | 41                                                        | 43                                             | 40                                                       | 39                                                        | 48                                                       | 47                                                        | 41                                                      | 40                                                      | 39                                                      | 40                                                      |
| 59                    | 45                   | 59                   | 41                                                        | 43                                             | 41                                                       | 39                                                        | 48                                                       | 47                                                        | 41                                                      | 40                                                      | 39                                                      | 40                                                      |
| 60                    | 45                   | 20                   | 44                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 50                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 61                    | 46                   | 41                   | 44                                                        | 46                                             | 44                                                       | 43                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 62                    | 46                   | 2                    | 44                                                        | 46                                             | 44                                                       | 43                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 63                    | 47                   | 23                   | 44                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 64                    | 47                   | 44                   | 44                                                        | 47                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 65                    | 47                   | 44                   | 44                                                        | 47                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 66                    | 48                   | 5                    | 44                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 67                    | 48                   | 26                   | 44                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 68                    | 48                   | 48                   | 44                                                        | 47                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 45                                                      | 43                                                      | 42                                                      | 42                                                      |
| 69                    | 49                   | 30                   | 45                                                        | 47                                             | 43                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 70                    | 49                   | 51                   | 45                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 71                    | 49                   | 4                    | 44                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 72                    | 50                   | 33                   | 44                                                        | 47                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 73                    | 50                   | 15                   | 44                                                        | 46                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 74                    | 50                   | 45                   | 44                                                        | 47                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 75                    | 51                   | 15                   | 44                                                        | 47                                             | 44                                                       | 44                                                        | 51                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 76                    | 51                   | 36                   | 45                                                        | 47                                             | 44                                                       | 44                                                        | 52                                                       | 51                                                        | 44                                                      | 43                                                      | 42                                                      | 42                                                      |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>WNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>WNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>WNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>WNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.80<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 77                    | 51                   | 57                   | 45                                                        | 47                                             | 44                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 78                    | 52                   | 58                   | 45                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 79                    | 53                   | 59                   | 45                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 80                    | 53                   | 1                    | 44                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 81                    | 53                   | 22                   | 45                                                        | 47                                             | 43                                                       | 44                                                       | 51                                                       | 52                                                       | 44                                                      | 43                                                      | 41                                                      | 42                                                      |
| 82                    | 53                   | 43                   | 45                                                        | 47                                             | 43                                                       | 44                                                       | 51                                                       | 52                                                       | 44                                                      | 42                                                      | 42                                                      | 42                                                      |
| 83                    | 54                   | 4                    | 44                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 42                                                      | 42                                                      | 42                                                      |
| 84                    | 54                   | 4                    | 45                                                        | 46                                             | 43                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 42                                                      | 42                                                      | 42                                                      |
| 85                    | 54                   | 46                   | 44                                                        | 46                                             | 43                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 42                                                      | 42                                                      | 42                                                      |
| 86                    | 54                   | 46                   | 44                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 87                    | 55                   | 26                   | 44                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 51                                                       | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 88                    | 55                   | 50                   | 44                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 52                                                       | 44                                                      | 43                                                      | 43                                                      | 42                                                      |
| 89                    | 56                   | 11                   | 44                                                        | 47                                             | 43                                                       | 44                                                       | 51                                                       | 52                                                       | 44                                                      | 43                                                      | 43                                                      | 42                                                      |
| 90                    | 56                   | 32                   | 45                                                        | 46                                             | 44                                                       | 44                                                       | 51                                                       | 52                                                       | 44                                                      | 43                                                      | 43                                                      | 42                                                      |
| 91                    | 56                   | 53                   | 45                                                        | 46                                             | 43                                                       | 44                                                       | 52                                                       | 52                                                       | 44                                                      | 43                                                      | 42                                                      | 42                                                      |
| 92                    | 56                   | 53                   | 45                                                        | 46                                             | 43                                                       | 44                                                       | 52                                                       | 52                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 93                    | 57                   | 14                   | 45                                                        | 46                                             | 43                                                       | 44                                                       | 52                                                       | 52                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 94                    | 57                   | 55                   | 45                                                        | 46                                             | 43                                                       | 44                                                       | 52                                                       | 52                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 95                    | 57                   | 56                   | 45                                                        | 46                                             | 44                                                       | 44                                                       | 52                                                       | 52                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 96                    | 58                   | 17                   | 47                                                        | 47                                             | 44                                                       | 44                                                       | 52                                                       | 52                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 97                    | 58                   | 38                   | 51                                                        | 47                                             | 44                                                       | 44                                                       | 53                                                       | 56                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 98                    | 58                   | 59                   | 53                                                        | 46                                             | 44                                                       | 44                                                       | 53                                                       | 56                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 99                    | 59                   | 19                   | 48                                                        | 48                                             | 44                                                       | 44                                                       | 53                                                       | 56                                                       | 44                                                      | 42                                                      | 42                                                      | 42                                                      |
| 100                   | 60                   | 1                    | 43                                                        | 48                                             | 44                                                       | 44                                                       | 52                                                       | 56                                                       | 43                                                      | 42                                                      | 42                                                      | 42                                                      |
| 101                   | 60                   | 22                   | 42                                                        | 48                                             | 44                                                       | 44                                                       | 52                                                       | 56                                                       | 43                                                      | 42                                                      | 41                                                      | 41                                                      |
| 102                   | 60                   | 43                   | 41                                                        | 49                                             | 44                                                       | 45                                                       | 53                                                       | 56                                                       | 42                                                      | 42                                                      | 41                                                      | 41                                                      |
| 103                   | 61                   | 4                    | 41                                                        | 49                                             | 44                                                       | 45                                                       | 52                                                       | 57                                                       | 42                                                      | 41                                                      | 41                                                      | 41                                                      |
| 104                   | 61                   | 26                   | 39                                                        | 49                                             | 44                                                       | 44                                                       | 52                                                       | 56                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 105                   | 61                   | 47                   | 39                                                        | 52                                             | 44                                                       | 44                                                       | 52                                                       | 57                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 106                   | 62                   | 8                    | 39                                                        | 52                                             | 44                                                       | 44                                                       | 53                                                       | 57                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 107                   | 62                   | 29                   | 39                                                        | 53                                             | 44                                                       | 44                                                       | 53                                                       | 57                                                       | 41                                                      | 41                                                      | 40                                                      | 40                                                      |
| 108                   | 62                   | 51                   | 35                                                        | 55                                             | 44                                                       | 44                                                       | 53                                                       | 58                                                       | 42                                                      | 42                                                      | 41                                                      | 41                                                      |
| 109                   | 63                   | 12                   | 39                                                        | 55                                             | 44                                                       | 44                                                       | 52                                                       | 58                                                       | 42                                                      | 41                                                      | 41                                                      | 41                                                      |
| 110                   | 63                   | 33                   | 39                                                        | 57                                             | 45                                                       | 45                                                       | 53                                                       | 58                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 111                   | 63                   | 54                   | 39                                                        | 56                                             | 44                                                       | 45                                                       | 54                                                       | 59                                                       | 42                                                      | 43                                                      | 42                                                      | 42                                                      |
| 112                   | 64                   | 16                   | 41                                                        | 59                                             | 45                                                       | 45                                                       | 54                                                       | 59                                                       | 41                                                      | 46                                                      | 46                                                      | 46                                                      |
| 113                   | 64                   | 37                   | 40                                                        | 61                                             | 45                                                       | 46                                                       | 54                                                       | 59                                                       | 41                                                      | 46                                                      | 46                                                      | 46                                                      |
| 114                   | 64                   | 58                   | 40                                                        | 62                                             | 45                                                       | 46                                                       | 55                                                       | 60                                                       | 45                                                      | 49                                                      | 49                                                      | 49                                                      |
| 115                   | 65                   | 19                   | 48                                                        | 64                                             | 45                                                       | 46                                                       | 55                                                       | 61                                                       | 44                                                      | 47                                                      | 48                                                      | 48                                                      |
| 116                   | 65                   | 40                   | 48                                                        | 64                                             | 45                                                       | 46                                                       | 55                                                       | 61                                                       | 45                                                      | 45                                                      | 45                                                      | 45                                                      |
| 117                   | 66                   | 2                    | 39                                                        | 66                                             | 45                                                       | 46                                                       | 55                                                       | 61                                                       | 44                                                      | 44                                                      | 44                                                      | 44                                                      |
| 118                   | 66                   | 23                   | 38                                                        | 67                                             | 46                                                       | 47                                                       | 55                                                       | 61                                                       | 44                                                      | 44                                                      | 44                                                      | 44                                                      |
| 119                   | 66                   | 44                   | 38                                                        | 68                                             | 45                                                       | 47                                                       | 55                                                       | 61                                                       | 43                                                      | 42                                                      | 44                                                      | 45                                                      |
| 120                   | 67                   | 6                    | 36                                                        | 68                                             | 45                                                       | 47                                                       | 55                                                       | 62                                                       | 42                                                      | 42                                                      | 44                                                      | 44                                                      |
| 121                   | 67                   | 27                   | 37                                                        | 69                                             | 46                                                       | 48                                                       | 54                                                       | 62                                                       | 42                                                      | 41                                                      | 42                                                      | 42                                                      |
| 122                   | 67                   | 48                   | 37                                                        | 70                                             | 47                                                       | 47                                                       | 54                                                       | 64                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 123                   | 67                   | 7                    | 38                                                        | 71                                             | 47                                                       | 47                                                       | 54                                                       | 64                                                       | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 124                   | 68                   | 31                   | 38                                                        | 73                                             | 46                                                       | 47                                                       | 55                                                       | 65                                                       | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 125                   | 68                   | 52                   | 38                                                        | 73                                             | 46                                                       | 47                                                       | 55                                                       | 65                                                       | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 126                   | 68                   | 13                   | 38                                                        | 75                                             | 47                                                       | 48                                                       | 55                                                       | 67                                                       | 42                                                      | 43                                                      | 43                                                      | 43                                                      |

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-04<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.80<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 127                   | 69                   | 35                   | 36                                                        | 77                                             | 48                                                       | 48                                                       | 55                                                       | 67                                                       | 43                                                      | *                                                       | *                                                       | *                                                       |
| 128                   | 69                   | 56                   | 36                                                        | 78                                             | 48                                                       | 48                                                       | 55                                                       | 68                                                       | 43                                                      | 42                                                      | 42                                                      | 42                                                      |
| 129                   | 70                   | 17                   | 36                                                        | 79                                             | 48                                                       | 48                                                       | 55                                                       | 69                                                       | 43                                                      | 44                                                      | 44                                                      | 42                                                      |
| 130                   | 70                   | 38                   | 38                                                        | 81                                             | 48                                                       | 48                                                       | 55                                                       | 70                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 131                   | 71                   | 0                    | 38                                                        | 82                                             | 48                                                       | 48                                                       | 56                                                       | 70                                                       | 43                                                      | 44                                                      | 43                                                      | 42                                                      |
| 132                   | 71                   | 21                   | 38                                                        | 83                                             | 48                                                       | 48                                                       | 56                                                       | 71                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 133                   | 71                   | 42                   | 38                                                        | 85                                             | 48                                                       | 48                                                       | 56                                                       | 71                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 134                   | 72                   | 3                    | 38                                                        | 86                                             | 49                                                       | 48                                                       | 56                                                       | 72                                                       | 44                                                      | 44                                                      | 44                                                      | 42                                                      |
| 135                   | 72                   | 25                   | 38                                                        | 88                                             | 49                                                       | 48                                                       | 56                                                       | 72                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 136                   | 72                   | 46                   | 38                                                        | 89                                             | 49                                                       | 48                                                       | 56                                                       | 73                                                       | 44                                                      | 44                                                      | 44                                                      | 42                                                      |
| 137                   | 73                   | 7                    | 38                                                        | 90                                             | 49                                                       | 48                                                       | 56                                                       | 73                                                       | 44                                                      | 44                                                      | 44                                                      | 42                                                      |
| 138                   | 73                   | 28                   | 38                                                        | 91                                             | 49                                                       | 49                                                       | 56                                                       | 73                                                       | 43                                                      | 42                                                      | 42                                                      | 42                                                      |
| 139                   | 73                   | 50                   | 38                                                        | 92                                             | 49                                                       | 49                                                       | 57                                                       | 73                                                       | 44                                                      | 44                                                      | 44                                                      | 41                                                      |
| 140                   | 74                   | 11                   | 38                                                        | 93                                             | 50                                                       | 49                                                       | 57                                                       | 74                                                       | 44                                                      | 44                                                      | 43                                                      | 43                                                      |
| 141                   | *                    | *                    | *                                                         | *                                              | *                                                        | *                                                        | *                                                        | *                                                        | *                                                       | *                                                       | *                                                       | *                                                       |
| 142                   | 74                   | 53                   | 38                                                        | 96                                             | 50                                                       | 49                                                       | 57                                                       | 75                                                       | 44                                                      | 42                                                      | 51                                                      | 42                                                      |
| 143                   | 75                   | 15                   | 37                                                        | 96                                             | 49                                                       | 49                                                       | 57                                                       | 75                                                       | 43                                                      | 43                                                      | 43                                                      | 42                                                      |
| 144                   | 75                   | 36                   | 36                                                        | 97                                             | 49                                                       | 49                                                       | 57                                                       | 75                                                       | 43                                                      | 42                                                      | 43                                                      | 41                                                      |
| 145                   | 75                   | 57                   | 36                                                        | 99                                             | 50                                                       | 49                                                       | 57                                                       | 75                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 146                   | 76                   | 18                   | 36                                                        | 99                                             | 50                                                       | 50                                                       | 57                                                       | 76                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 147                   | 76                   | 40                   | 36                                                        | 99                                             | 51                                                       | 50                                                       | 58                                                       | 76                                                       | 44                                                      | 44                                                      | 43                                                      | 42                                                      |
| 148                   | 77                   | 1                    | 36                                                        | 100                                            | 51                                                       | 50                                                       | 58                                                       | 77                                                       | 44                                                      | 44                                                      | 43                                                      | 43                                                      |
| 149                   | *                    | 19                   | 36                                                        | 101                                            | 51                                                       | 50                                                       | 58                                                       | 77                                                       | 44                                                      | 44                                                      | 44                                                      | 44                                                      |
| 150                   | 77                   | 43                   | 36                                                        | 101                                            | 51                                                       | 50                                                       | 58                                                       | 78                                                       | 44                                                      | 44                                                      | 44                                                      | 44                                                      |
| 151                   | 78                   | 5                    | 39                                                        | 102                                            | 51                                                       | 51                                                       | 58                                                       | 78                                                       | 44                                                      | 44                                                      | 44                                                      | 44                                                      |
| 152                   | 78                   | 26                   | 38                                                        | 103                                            | 52                                                       | 51                                                       | 58                                                       | 78                                                       | 44                                                      | 44                                                      | 44                                                      | 43                                                      |
| 153                   | *                    | *                    | 38                                                        | 103                                            | 52                                                       | 51                                                       | 58                                                       | 78                                                       | 44                                                      | 44                                                      | 44                                                      | 43                                                      |
| 154                   | 79                   | 8                    | 38                                                        | 103                                            | 52                                                       | 51                                                       | 59                                                       | 78                                                       | 43                                                      | 43                                                      | 42                                                      | 42                                                      |
| 155                   | 79                   | 30                   | 39                                                        | 104                                            | 52                                                       | 51                                                       | 59                                                       | 79                                                       | 43                                                      | 43                                                      | 44                                                      | 42                                                      |
| 156                   | 79                   | 51                   | 78                                                        | 105                                            | 52                                                       | 51                                                       | 59                                                       | 79                                                       | 43                                                      | 43                                                      | 44                                                      | 42                                                      |
| 157                   | 80                   | 12                   | *                                                         | 106                                            | 52                                                       | 52                                                       | 59                                                       | 79                                                       | 42                                                      | 42                                                      | 43                                                      | 42                                                      |
| 158                   | 80                   | 33                   | 38                                                        | 106                                            | 52                                                       | 52                                                       | 59                                                       | 79                                                       | 42                                                      | 42                                                      | 43                                                      | 42                                                      |
| 159                   | 80                   | 55                   | 38                                                        | 106                                            | 53                                                       | 52                                                       | 59                                                       | 79                                                       | 42                                                      | 42                                                      | 43                                                      | 42                                                      |
| 160                   | 81                   | 16                   | 38                                                        | 106                                            | 53                                                       | 52                                                       | 59                                                       | 80                                                       | 42                                                      | 42                                                      | 41                                                      | 42                                                      |
| 161                   | *                    | 35                   | 38                                                        | 106                                            | 53                                                       | 52                                                       | 59                                                       | 80                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 162                   | 81                   | 59                   | 38                                                        | 108                                            | 53                                                       | 52                                                       | 59                                                       | 80                                                       | 42                                                      | 42                                                      | 43                                                      | 43                                                      |
| 163                   | 82                   | 20                   | 38                                                        | 107                                            | 52                                                       | 52                                                       | 59                                                       | 80                                                       | 44                                                      | 44                                                      | 46                                                      | 44                                                      |
| 164                   | 82                   | 42                   | 38                                                        | 107                                            | 54                                                       | 52                                                       | 59                                                       | 81                                                       | 45                                                      | 45                                                      | 45                                                      | 44                                                      |
| 165                   | 83                   | 3                    | 38                                                        | 108                                            | 54                                                       | 52                                                       | 59                                                       | 81                                                       | 45                                                      | 45                                                      | 45                                                      | 44                                                      |
| 166                   | 83                   | 24                   | 38                                                        | 108                                            | 54                                                       | 52                                                       | 59                                                       | 81                                                       | 43                                                      | 44                                                      | 44                                                      | 43                                                      |
| 167                   | 83                   | 45                   | 38                                                        | 108                                            | 54                                                       | 52                                                       | 59                                                       | 81                                                       | 43                                                      | 44                                                      | 44                                                      | 43                                                      |
| 168                   | 84                   | 7                    | 38                                                        | 109                                            | 54                                                       | 53                                                       | 59                                                       | 82                                                       | 45                                                      | 45                                                      | 45                                                      | 45                                                      |
| 169                   | 84                   | 28                   | 38                                                        | 109                                            | 54                                                       | 53                                                       | 59                                                       | 82                                                       | 48                                                      | 48                                                      | 48                                                      | 48                                                      |
| 170                   | 84                   | 50                   | 38                                                        | 110                                            | 54                                                       | 53                                                       | 60                                                       | 82                                                       | 49                                                      | 49                                                      | 49                                                      | 48                                                      |
| 171                   | 85                   | 11                   | 38                                                        | 111                                            | 54                                                       | 54                                                       | 60                                                       | 82                                                       | 51                                                      | 51                                                      | 50                                                      | 50                                                      |
| 172                   | 85                   | 32                   | 38                                                        | 112                                            | 54                                                       | 54                                                       | 61                                                       | 83                                                       | 51                                                      | 52                                                      | 51                                                      | 52                                                      |
| 173                   | 85                   | 54                   | 38                                                        | 112                                            | 55                                                       | 54                                                       | 62                                                       | 84                                                       | 51                                                      | 52                                                      | 51                                                      | 52                                                      |
| 174                   | *                    | 12                   | 38                                                        | 113                                            | 55                                                       | 54                                                       | 61                                                       | 84                                                       | 52                                                      | 53                                                      | 51                                                      | 52                                                      |
| 175                   | 86                   | 35                   | 38                                                        | 113                                            | 55                                                       | 54                                                       | 62                                                       | 85                                                       | 52                                                      | 53                                                      | 51                                                      | 52                                                      |
| 176                   | 86                   | 58                   | 38                                                        | 114                                            | 55                                                       | 54                                                       | 62                                                       | 85                                                       | 52                                                      | 52                                                      | 50                                                      | 51                                                      |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG-1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG-1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG-1<br>LORD<br>ISOL.<br>HNT<br>AFT IN<br>DEG.C | 6-10<br>ENG-1<br>LORD<br>ISOL.<br>HNT<br>AFT OUT<br>DEG.C | 6-11<br>ENG-2<br>LORD<br>ISOL.<br>HNT<br>AFT IN<br>DEG.C | 6-12<br>ENG-2<br>LORD<br>ISOL.<br>HNT<br>AFT OUT<br>DEG.C | 6-14<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>1.80<br>DEG.C | 6-15<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 177                   | 87                   | 19                   | 38                                                        | 115                                            | 55                                                       | 55                                                        | 63                                                       | 86                                                        | 54                                                      | 54                                                      | 52                                                      | 52                                                      |
| 178                   | 87                   | 41                   | 38                                                        | 116                                            | 56                                                       | 56                                                        | 64                                                       | 86                                                        | 54                                                      | 54                                                      | 52                                                      | 52                                                      |
| 179                   | 88                   | 2                    | 38                                                        | 117                                            | 55                                                       | 55                                                        | 64                                                       | 87                                                        | 54                                                      | 54                                                      | 52                                                      | 52                                                      |
| 180                   | 88                   | 23                   | 38                                                        | 118                                            | 56                                                       | 56                                                        | 64                                                       | 87                                                        | 54                                                      | 54                                                      | 52                                                      | 52                                                      |
| 181                   | 88                   | 45                   | 38                                                        | 118                                            | 56                                                       | 56                                                        | 64                                                       | 87                                                        | 54                                                      | 54                                                      | 51                                                      | 51                                                      |
| 182                   | 89                   | 6                    | 38                                                        | 119                                            | 57                                                       | 57                                                        | 64                                                       | 88                                                        | 53                                                      | 53                                                      | 49                                                      | 49                                                      |
| 183                   | 89                   | 28                   | 38                                                        | 119                                            | 58                                                       | 58                                                        | 64                                                       | 88                                                        | 53                                                      | 53                                                      | 48                                                      | 48                                                      |
| 184                   | 89                   | 49                   | 38                                                        | 119                                            | 57                                                       | 57                                                        | 65                                                       | 86                                                        | 48                                                      | 48                                                      | 46                                                      | 46                                                      |
| 185                   | 89                   | 69                   | 38                                                        | 119                                            | 57                                                       | 57                                                        | 65                                                       | 86                                                        | 48                                                      | 48                                                      | 46                                                      | 46                                                      |
| 186                   | 90                   | 10                   | 39                                                        | 118                                            | 56                                                       | 56                                                        | 64                                                       | 86                                                        | 46                                                      | 46                                                      | 44                                                      | 44                                                      |
| 187                   | 90                   | 31                   | 38                                                        | 116                                            | 56                                                       | 56                                                        | 64                                                       | 86                                                        | 45                                                      | 45                                                      | 44                                                      | 44                                                      |
| 188                   | 90                   | 53                   | 38                                                        | 115                                            | 56                                                       | 56                                                        | 64                                                       | 86                                                        | 45                                                      | 45                                                      | 41                                                      | 41                                                      |
| 189                   | 91                   | 14                   | 39                                                        | 113                                            | 57                                                       | 57                                                        | 64                                                       | 85                                                        | 43                                                      | 43                                                      | 40                                                      | 40                                                      |
| 190                   | 91                   | 35                   | 38                                                        | 111                                            | 57                                                       | 57                                                        | 63                                                       | 85                                                        | 43                                                      | 43                                                      | 39                                                      | 39                                                      |
| 191                   | 91                   | 56                   | 39                                                        | 109                                            | 57                                                       | 57                                                        | 63                                                       | 85                                                        | 43                                                      | 43                                                      | 39                                                      | 39                                                      |
| 192                   | 92                   | 17                   | 40                                                        | 108                                            | 56                                                       | 56                                                        | 62                                                       | 84                                                        | 42                                                      | 42                                                      | 39                                                      | 39                                                      |
| 193                   | 92                   | 38                   | 39                                                        | 106                                            | 55                                                       | 55                                                        | 62                                                       | 83                                                        | 41                                                      | 41                                                      | 39                                                      | 39                                                      |
| 194                   | 92                   | 59                   | 39                                                        | 106                                            | 55                                                       | 55                                                        | 61                                                       | 83                                                        | 41                                                      | 41                                                      | 39                                                      | 39                                                      |
| 195                   | 93                   | 20                   | 40                                                        | 104                                            | 55                                                       | 55                                                        | 61                                                       | 83                                                        | 42                                                      | 42                                                      | 39                                                      | 39                                                      |
| 196                   | 93                   | 41                   | 40                                                        | 103                                            | 56                                                       | 56                                                        | 61                                                       | 83                                                        | 42                                                      | 42                                                      | 40                                                      | 40                                                      |
| 197                   | 94                   | 2                    | 40                                                        | 103                                            | 57                                                       | 57                                                        | 61                                                       | 83                                                        | 41                                                      | 41                                                      | 40                                                      | 40                                                      |
| 198                   | 94                   | 23                   | 39                                                        | 101                                            | 57                                                       | 57                                                        | 60                                                       | 82                                                        | 41                                                      | 41                                                      | 40                                                      | 40                                                      |
| 199                   | 94                   | 45                   | 38                                                        | 101                                            | 56                                                       | 56                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 200                   | 95                   | 6                    | 38                                                        | 102                                            | 55                                                       | 55                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 201                   | 95                   | 27                   | 39                                                        | 102                                            | 58                                                       | 58                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 202                   | 95                   | 49                   | 39                                                        | 103                                            | 58                                                       | 58                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 203                   | 96                   | 10                   | 38                                                        | 103                                            | 58                                                       | 58                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 204                   | 96                   | 31                   | 38                                                        | 103                                            | 58                                                       | 58                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 205                   | 96                   | 53                   | 38                                                        | 103                                            | 58                                                       | 58                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 206                   | 97                   | 14                   | 39                                                        | 104                                            | 58                                                       | 58                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 207                   | 97                   | 35                   | 39                                                        | 105                                            | 58                                                       | 58                                                        | 59                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 208                   | 97                   | 57                   | 39                                                        | 106                                            | 58                                                       | 58                                                        | 61                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 209                   | 98                   | 18                   | 38                                                        | 107                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 210                   | 98                   | 39                   | 39                                                        | 108                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 211                   | 99                   | 1                    | 39                                                        | 108                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 212                   | 99                   | 22                   | 39                                                        | 109                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 213                   | 99                   | 43                   | 39                                                        | 109                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 214                   | 100                  | 5                    | 39                                                        | 109                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 215                   | 100                  | 26                   | 39                                                        | 110                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 216                   | 100                  | 47                   | 39                                                        | 110                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 217                   | 101                  | 8                    | 39                                                        | 110                                            | 59                                                       | 59                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 218                   | 101                  | 30                   | 39                                                        | 110                                            | 59                                                       | 59                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 219                   | 101                  | 51                   | 39                                                        | 110                                            | 58                                                       | 58                                                        | 60                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 220                   | 102                  | 13                   | 38                                                        | 111                                            | 58                                                       | 58                                                        | 60                                                       | 81                                                        | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 221                   | 102                  | 34                   | 38                                                        | 112                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 40                                                      | 40                                                      | 41                                                      | 41                                                      |
| 222                   | 102                  | 55                   | 39                                                        | 112                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 40                                                      | 40                                                      | 41                                                      | 41                                                      |
| 223                   | 103                  | 17                   | 38                                                        | 113                                            | 58                                                       | 58                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 224                   | 103                  | 38                   | 39                                                        | 114                                            | 59                                                       | 59                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 225                   | 104                  | 0                    | 38                                                        | 114                                            | 59                                                       | 59                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 226                   | 104                  | 21                   | 38                                                        | 114                                            | 59                                                       | 59                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 227                   | 104                  | 42                   | 39                                                        | 115                                            | 59                                                       | 59                                                        | 61                                                       | 82                                                        | 41                                                      | 41                                                      | 42                                                      | 42                                                      |

| SHOE<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LORD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.45<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
|---------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|--------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 227           | 105                  | 4                    | 39                                                        | 115                                            | 59                                               | 58                                                       | 61                                                       | 82                                                       | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 228           | 105                  | 25                   | 39                                                        | 115                                            | 59                                               | 58                                                       | 61                                                       | 82                                                       | 41                                                      | 41                                                      | 42                                                      | 41                                                      |
| 229           | 105                  | 46                   | 39                                                        | 115                                            | 60                                               | 58                                                       | 61                                                       | 82                                                       | 41                                                      | 43                                                      | 42                                                      | 41                                                      |
| 230           | 106                  | 0                    | 39                                                        | 115                                            | 59                                               | 58                                                       | 61                                                       | 82                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 231           | 106                  | 29                   | 39                                                        | 115                                            | 60                                               | 59                                                       | 61                                                       | 82                                                       | 41                                                      | 42                                                      | 43                                                      | 42                                                      |
| 232           | 106                  | 50                   | 39                                                        | 115                                            | 60                                               | 58                                                       | 61                                                       | 82                                                       | 42                                                      | 42                                                      | 43                                                      | 42                                                      |
| 233           | 107                  | 12                   | 39                                                        | 115                                            | 59                                               | 58                                                       | 62                                                       | 83                                                       | 41                                                      | 42                                                      | 43                                                      | 42                                                      |
| 234           | 107                  | 33                   | 39                                                        | 115                                            | 60                                               | 58                                                       | 61                                                       | 83                                                       | 42                                                      | 43                                                      | 42                                                      | 42                                                      |
| 235           | 107                  | 54                   | 39                                                        | 116                                            | 60                                               | 58                                                       | 62                                                       | 83                                                       | 41                                                      | 41                                                      | 44                                                      | 42                                                      |
| 236           | 108                  | 16                   | 39                                                        | 116                                            | 60                                               | 58                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 44                                                      | 42                                                      |
| 237           | 108                  | 37                   | 39                                                        | 115                                            | 60                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 44                                                      | 42                                                      |
| 238           | 108                  | 58                   | 39                                                        | 116                                            | 61                                               | 59                                                       | 62                                                       | 84                                                       | 42                                                      | 42                                                      | 44                                                      | 42                                                      |
| 239           | 109                  | 20                   | 39                                                        | 116                                            | 61                                               | 59                                                       | 62                                                       | 84                                                       | 42                                                      | 43                                                      | 44                                                      | 43                                                      |
| 240           | 109                  | 41                   | 39                                                        | 113                                            | 60                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 241           | 110                  | 2                    | 40                                                        | 114                                            | 61                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 242           | 110                  | 24                   | 39                                                        | 114                                            | 61                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 243           | 110                  | 45                   | 40                                                        | 115                                            | 61                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 244           | 111                  | 6                    | 39                                                        | 114                                            | 61                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 41                                                      | 42                                                      | 42                                                      |
| 245           | 111                  | 28                   | 39                                                        | 115                                            | 62                                               | 59                                                       | 62                                                       | 83                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 246           | 111                  | 49                   | 39                                                        | 115                                            | 61                                               | 59                                                       | 62                                                       | 83                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 247           | 112                  | 11                   | 39                                                        | 115                                            | 61                                               | 59                                                       | 62                                                       | 83                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 248           | 112                  | 32                   | 39                                                        | 115                                            | 62                                               | 59                                                       | 62                                                       | 83                                                       | 41                                                      | 41                                                      | 42                                                      | 42                                                      |
| 249           | 112                  | 53                   | 39                                                        | 115                                            | 61                                               | 59                                                       | 62                                                       | 84                                                       | 41                                                      | 41                                                      | 41                                                      | 42                                                      |
| 250           | 113                  | 15                   | 40                                                        | 116                                            | 61                                               | 58                                                       | 62                                                       | 83                                                       | 41                                                      | 42                                                      | 41                                                      | 41                                                      |
| 251           | 113                  | 36                   | 40                                                        | 115                                            | 62                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 43                                                      | 42                                                      |
| 252           | 113                  | 57                   | 40                                                        | 116                                            | 61                                               | 59                                                       | 62                                                       | 84                                                       | 42                                                      | 42                                                      | 43                                                      | 42                                                      |
| 253           | 114                  | 18                   | 41                                                        | 115                                            | 61                                               | 59                                                       | 62                                                       | 83                                                       | 42                                                      | 42                                                      | 43                                                      | 42                                                      |
| 254           | 114                  | 39                   | 41                                                        | 115                                            | 61                                               | 59                                                       | 62                                                       | 82                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 255           | 115                  | 0                    | 41                                                        | 115                                            | 61                                               | 58                                                       | 62                                                       | 81                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 256           | 115                  | 21                   | 41                                                        | 114                                            | 60                                               | 59                                                       | 61                                                       | 79                                                       | 42                                                      | 43                                                      | 43                                                      | 42                                                      |
| 257           | 115                  | 42                   | 40                                                        | 114                                            | 60                                               | 59                                                       | 61                                                       | 79                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 258           | 116                  | 3                    | 41                                                        | 114                                            | 61                                               | 58                                                       | 61                                                       | 78                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 259           | 116                  | 25                   | 39                                                        | 110                                            | 60                                               | 57                                                       | 59                                                       | 78                                                       | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 260           | 116                  | 48                   | 40                                                        | 107                                            | 60                                               | 58                                                       | 59                                                       | 78                                                       | 42                                                      | 42                                                      | 41                                                      | 41                                                      |
| 261           | 117                  | 7                    | 40                                                        | 104                                            | 59                                               | 57                                                       | 59                                                       | 77                                                       | 41                                                      | 40                                                      | 40                                                      | 39                                                      |
| 262           | 117                  | 28                   | 42                                                        | 102                                            | 59                                               | 57                                                       | 58                                                       | 77                                                       | 39                                                      | 39                                                      | 38                                                      | 37                                                      |
| 263           | 117                  | 49                   | 42                                                        | 108                                            | 59                                               | 56                                                       | 59                                                       | 76                                                       | 39                                                      | 37                                                      | 36                                                      | 36                                                      |
| 264           | 118                  | 10                   | 40                                                        | 99                                             | 59                                               | 56                                                       | 57                                                       | 77                                                       | 37                                                      | 35                                                      | 34                                                      | 34                                                      |
| 265           | 118                  | 31                   | 40                                                        | 98                                             | 59                                               | 56                                                       | 58                                                       | 76                                                       | 37                                                      | 35                                                      | 34                                                      | 34                                                      |
| 266           | 118                  | 52                   | 40                                                        | 99                                             | 59                                               | 56                                                       | 57                                                       | 76                                                       | 37                                                      | 34                                                      | 34                                                      | 34                                                      |
| 267           | 119                  | 13                   | 40                                                        | 99                                             | 59                                               | 56                                                       | 56                                                       | 78                                                       | 36                                                      | 34                                                      | 34                                                      | 34                                                      |
| 268           | 119                  | 34                   | 40                                                        | 99                                             | 59                                               | 55                                                       | 56                                                       | 78                                                       | 35                                                      | 34                                                      | 34                                                      | 34                                                      |
| 269           | 119                  | 55                   | 40                                                        | 98                                             | 59                                               | 56                                                       | 57                                                       | 78                                                       | 35                                                      | 34                                                      | 34                                                      | 35                                                      |
| 270           | 120                  | 16                   | 40                                                        | 97                                             | 59                                               | 56                                                       | 56                                                       | 77                                                       | 35                                                      | 35                                                      | 35                                                      | 35                                                      |
| 271           | 120                  | 37                   | 41                                                        | 97                                             | 59                                               | 55                                                       | 55                                                       | 76                                                       | 36                                                      | 36                                                      | 36                                                      | 36                                                      |
| 272           | 120                  | 58                   | 41                                                        | 96                                             | 59                                               | 55                                                       | 55                                                       | 75                                                       | 37                                                      | 36                                                      | 37                                                      | 36                                                      |
| 273           | 121                  | 19                   | 41                                                        | 95                                             | 58                                               | 55                                                       | 55                                                       | 74                                                       | 38                                                      | 39                                                      | 38                                                      | 38                                                      |
| 274           | 121                  | 40                   | 41                                                        | 95                                             | 59                                               | 53                                                       | 55                                                       | 73                                                       | 38                                                      | 39                                                      | 39                                                      | 39                                                      |
| 275           | 122                  | 1                    | 41                                                        | 93                                             | 58                                               | 54                                                       | 55                                                       | 72                                                       | 39                                                      | 41                                                      | 39                                                      | 39                                                      |
| 276           | 122                  | 22                   | 41                                                        | 93                                             | 58                                               | 56                                                       | 55                                                       | 71                                                       | 39                                                      | 40                                                      | 40                                                      | 39                                                      |

| -01<br>SHEET<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG-1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG-1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG-1<br>LOAD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG-1<br>LOAD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG-2<br>LOAD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG-2<br>LOAD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>1-10<br>DEG.C | 6-15<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2-08<br>DEG.C | 6-16<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>2-48<br>DEG.C | 6-17<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>3-15<br>DEG.C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 277                   | 122                  | 43                   | 40                                                        | 92                                             | 58                                                       | 54                                                       | 95                                                       | 71                                                       | 39                                                      | 40                                                      | 40                                                      | 40                                                      |
| 278                   | 123                  | 4                    | 41                                                        | 92                                             | 58                                                       | 55                                                       | 96                                                       | 72                                                       | 39                                                      | 40                                                      | 39                                                      | 39                                                      |
| 279                   | 123                  | 25                   | 41                                                        | 90                                             | 58                                                       | 55                                                       | 96                                                       | 72                                                       | 38                                                      | 38                                                      | 39                                                      | 38                                                      |
| 280                   | 123                  | 47                   | 41                                                        | 90                                             | 57                                                       | 54                                                       | 95                                                       | 71                                                       | 39                                                      | 39                                                      | 39                                                      | 38                                                      |
| 281                   | 124                  | 6                    | 41                                                        | 89                                             | 57                                                       | 54                                                       | 95                                                       | 71                                                       | 38                                                      | 39                                                      | 39                                                      | 38                                                      |
| 282                   | 124                  | 29                   | 41                                                        | 90                                             | 56                                                       | 54                                                       | 95                                                       | 71                                                       | 39                                                      | 38                                                      | 39                                                      | 38                                                      |
| 283                   | 124                  | 50                   | 41                                                        | 88                                             | 56                                                       | 54                                                       | 94                                                       | 70                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 284                   | 125                  | 11                   | 41                                                        | 88                                             | 57                                                       | 54                                                       | 93                                                       | 71                                                       | 38                                                      | 39                                                      | 39                                                      | 39                                                      |
| 285                   | 125                  | 32                   | 41                                                        | 86                                             | 56                                                       | 52                                                       | 93                                                       | 70                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 286                   | 125                  | 53                   | 41                                                        | 85                                             | 56                                                       | 53                                                       | 94                                                       | 70                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 287                   | 126                  | 14                   | 41                                                        | 83                                             | 56                                                       | 53                                                       | 94                                                       | 69                                                       | 38                                                      | 38                                                      | 37                                                      | 37                                                      |
| 288                   | 126                  | 35                   | 41                                                        | 82                                             | 55                                                       | 53                                                       | 94                                                       | 69                                                       | 38                                                      | 38                                                      | 38                                                      | 38                                                      |
| 289                   | 126                  | 56                   | 41                                                        | 82                                             | 56                                                       | 52                                                       | 93                                                       | 68                                                       | 37                                                      | 37                                                      | 37                                                      | 37                                                      |
| 290                   | 127                  | 17                   | 40                                                        | 82                                             | 55                                                       | 53                                                       | 93                                                       | 68                                                       | 37                                                      | 37                                                      | 37                                                      | 37                                                      |
| 291                   | 127                  | 37                   | 41                                                        | 82                                             | 56                                                       | 54                                                       | 93                                                       | 69                                                       | 38                                                      | 37                                                      | 36                                                      | 37                                                      |
| 292                   | 127                  | 59                   | 41                                                        | 82                                             | 56                                                       | 54                                                       | 94                                                       | 71                                                       | 38                                                      | 37                                                      | 37                                                      | 36                                                      |
| 293                   | 128                  | 20                   | 42                                                        | 81                                             | 56                                                       | 54                                                       | 95                                                       | 71                                                       | 38                                                      | 39                                                      | 38                                                      | 39                                                      |
| 294                   | 128                  | 40                   | 43                                                        | 84                                             | 56                                                       | 54                                                       | 97                                                       | 72                                                       | 40                                                      | 40                                                      | 41                                                      | 41                                                      |
| 295                   | 129                  | 1                    | 40                                                        | 81                                             | 55                                                       | 53                                                       | 95                                                       | 70                                                       | 39                                                      | 39                                                      | 40                                                      | 40                                                      |
| 296                   | 129                  | 22                   | 40                                                        | 80                                             | 55                                                       | 52                                                       | 95                                                       | 69                                                       | 39                                                      | 40                                                      | 40                                                      | 39                                                      |
| 297                   | 129                  | 43                   | 41                                                        | 79                                             | 55                                                       | 52                                                       | 95                                                       | 69                                                       | 39                                                      | 39                                                      | 40                                                      | 39                                                      |
| 298                   | 130                  | 4                    | 41                                                        | 78                                             | 54                                                       | 52                                                       | 94                                                       | 70                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 299                   | 130                  | 26                   | 41                                                        | 78                                             | 54                                                       | 52                                                       | 94                                                       | 68                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 300                   | 130                  | 47                   | 41                                                        | 77                                             | 54                                                       | 52                                                       | 94                                                       | 68                                                       | 39                                                      | 38                                                      | 39                                                      | 39                                                      |
| 301                   | 131                  | 8                    | 41                                                        | 77                                             | 54                                                       | 52                                                       | 94                                                       | 70                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 302                   | 131                  | 29                   | 41                                                        | 78                                             | 55                                                       | 52                                                       | 95                                                       | 71                                                       | 39                                                      | 39                                                      | 39                                                      | 39                                                      |
| 303                   | 131                  | 50                   | 41                                                        | 77                                             | 54                                                       | 52                                                       | 95                                                       | 71                                                       | 39                                                      | 39                                                      | 39                                                      | 38                                                      |
| 304                   | 132                  | 11                   | 41                                                        | 77                                             | 54                                                       | 52                                                       | 95                                                       | 70                                                       | 39                                                      | 39                                                      | 39                                                      | 38                                                      |
| 305                   | 132                  | 32                   | 41                                                        | 77                                             | 54                                                       | 52                                                       | 95                                                       | 71                                                       | 39                                                      | 40                                                      | 40                                                      | 39                                                      |
| 306                   | 132                  | 53                   | 39                                                        | 76                                             | 54                                                       | 52                                                       | 95                                                       | 70                                                       | 39                                                      | 40                                                      | 40                                                      | 39                                                      |
| 307                   | 133                  | 15                   | 40                                                        | 79                                             | 54                                                       | 52                                                       | 95                                                       | 71                                                       | 39                                                      | 40                                                      | 40                                                      | 41                                                      |
| 308                   | 133                  | 36                   | 41                                                        | 80                                             | 55                                                       | 52                                                       | 95                                                       | 71                                                       | 40                                                      | 40                                                      | 41                                                      | 41                                                      |
| 309                   | 133                  | 57                   | 40                                                        | 81                                             | 54                                                       | 52                                                       | 95                                                       | 73                                                       | 40                                                      | 41                                                      | 41                                                      | 41                                                      |
| 310                   | 134                  | 18                   | 41                                                        | 81                                             | 54                                                       | 52                                                       | 95                                                       | 71                                                       | 40                                                      | 41                                                      | 40                                                      | 41                                                      |
| 311                   | 134                  | 40                   | 42                                                        | 83                                             | 54                                                       | 52                                                       | 95                                                       | 71                                                       | 40                                                      | 41                                                      | 41                                                      | 41                                                      |
| 312                   | 135                  | 1                    | 42                                                        | 85                                             | 53                                                       | 52                                                       | 96                                                       | 70                                                       | 41                                                      | 42                                                      | 41                                                      | 42                                                      |
| 313                   | 135                  | 22                   | 42                                                        | 86                                             | 53                                                       | 52                                                       | 96                                                       | 70                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 314                   | 135                  | 43                   | 41                                                        | 86                                             | 53                                                       | 52                                                       | 95                                                       | 70                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 315                   | 136                  | 4                    | 42                                                        | 87                                             | 53                                                       | 52                                                       | 95                                                       | 70                                                       | 41                                                      | 41                                                      | 41                                                      | 41                                                      |
| 316                   | 136                  | 25                   | 42                                                        | 88                                             | 53                                                       | 52                                                       | 95                                                       | 69                                                       | 42                                                      | 41                                                      | 41                                                      | 42                                                      |
| 317                   | 137                  | 47                   | 42                                                        | 89                                             | 53                                                       | 53                                                       | 96                                                       | 69                                                       | 42                                                      | 42                                                      | 42                                                      | 42                                                      |
| 318                   | 137                  | 6                    | 42                                                        | 89                                             | 53                                                       | 52                                                       | 96                                                       | 69                                                       | 42                                                      | 42                                                      | 42                                                      | 41                                                      |
| 319                   | 137                  | 29                   | 42                                                        | 89                                             | 53                                                       | 52                                                       | 95                                                       | 68                                                       | 43                                                      | 42                                                      | 42                                                      | 42                                                      |
| 320                   | 137                  | 50                   | 42                                                        | 89                                             | 53                                                       | 52                                                       | 95                                                       | 68                                                       | 43                                                      | 44                                                      | 42                                                      | 42                                                      |
| 321                   | 138                  | 11                   | 41                                                        | 90                                             | 53                                                       | 52                                                       | 96                                                       | 68                                                       | 43                                                      | 44                                                      | 42                                                      | 42                                                      |
| 322                   | 138                  | 34                   | 42                                                        | 90                                             | 53                                                       | 52                                                       | 96                                                       | 68                                                       | 44                                                      | 44                                                      | 43                                                      | 43                                                      |
| 323                   | 138                  | 55                   | 43                                                        | 91                                             | 53                                                       | 52                                                       | 96                                                       | 67                                                       | 44                                                      | 44                                                      | 43                                                      | 43                                                      |
| 324                   | 139                  | 16                   | 44                                                        | 92                                             | 54                                                       | 54                                                       | 96                                                       | 68                                                       | 44                                                      | 45                                                      | 44                                                      | 43                                                      |
| 325                   | 139                  | 37                   | 43                                                        | 93                                             | 54                                                       | 52                                                       | 96                                                       | 67                                                       | 44                                                      | 46                                                      | 44                                                      | 43                                                      |
| 326                   | 139                  | 58                   | 43                                                        | 94                                             | 54                                                       | 53                                                       | 96                                                       | 63                                                       | 45                                                      | 46                                                      | 44                                                      | 43                                                      |



|     |                       |                      |                      |                                                           |                                                |                                                          |                                                          |                                                          |                                                          |                                                         |                                                         |                                                         |                                                         |
|-----|-----------------------|----------------------|----------------------|-----------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 414 | -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-07<br>ENG.1<br>BOOST<br>PUMP<br>OUTLET<br>TEMP<br>DEG.C | 6-08<br>ENG.1<br>BLEED<br>AIR<br>TEMP<br>DEG.C | 6-09<br>ENG.1<br>LOAD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-10<br>ENG.1<br>LOAD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-11<br>ENG.2<br>LOAD<br>ISOL.<br>MNT<br>AFT IN<br>DEG.C | 6-12<br>ENG.2<br>LOAD<br>ISOL.<br>MNT<br>AFTOUT<br>DEG.C | 6-14<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>1.00<br>DEG.C | 6-15<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.00<br>DEG.C | 6-16<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>2.42<br>DEG.C | 6-17<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>3.15<br>DEG.C |
| 327 |                       | 190                  | 19                   | 44                                                        | 96                                             | 53                                                       | 54                                                       | 57                                                       | 60                                                       | 45                                                      | 47                                                      | 48                                                      | 44                                                      |
| 328 |                       | 190                  | 40                   | 44                                                        | 96                                             | 54                                                       | 54                                                       | 57                                                       | 67                                                       | 46                                                      | 47                                                      | 45                                                      | 45                                                      |

MH-53C S/N 60-10354  
 DESERT TEST  
 9 JULY 1971  
 RUN NO. 9

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>5-BOX<br>(STR)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>5-BOX<br>(F FR)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>5-BOX<br>(STR)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|
| 32                    | 32                   | 22                   | 43                                                      | 42                                                      | 43                                                      | 43                                                        | 42                                                        | 43                                                        | 41                                                        | 43                                                         | 44                                                          | 48                                                         |
| 33                    | 32                   | 43                   | 43                                                      | 42                                                      | 43                                                      | 44                                                        | 42                                                        | 43                                                        | 41                                                        | 43                                                         | 44                                                          | 48                                                         |
| 34                    | 33                   | 3                    | 43                                                      | 42                                                      | 43                                                      | 44                                                        | 42                                                        | 42                                                        | 41                                                        | 43                                                         | 44                                                          | 48                                                         |
| 35                    | 34                   | 56                   | 43                                                      | 43                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 41                                                        | 43                                                         | 44                                                          | 48                                                         |
| 36                    | 35                   | 21                   | 41                                                      | 40                                                      | 40                                                      | 41                                                        | 39                                                        | 41                                                        | 38                                                        | 40                                                         | 40                                                          | 45                                                         |
| 37                    | 35                   | 45                   | 41                                                      | 40                                                      | 40                                                      | 42                                                        | 40                                                        | 42                                                        | 39                                                        | 41                                                         | 41                                                          | 44                                                         |
| 38                    | 36                   | 5                    | 41                                                      | 40                                                      | 41                                                      | 42                                                        | 40                                                        | 43                                                        | 48                                                        | 41                                                         | 42                                                          | 44                                                         |
| 39                    | 36                   | 27                   | 42                                                      | 41                                                      | 41                                                      | 41                                                        | 40                                                        | 41                                                        | 40                                                        | 42                                                         | 42                                                          | 46                                                         |
| 40                    | 38                   | 49                   | 40                                                      | 40                                                      | 41                                                      | 41                                                        | 39                                                        | 41                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 41                    | 39                   | 10                   | 42                                                      | 41                                                      | 41                                                      | 41                                                        | 40                                                        | 42                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 42                    | 39                   | 32                   | 41                                                      | 40                                                      | 40                                                      | 41                                                        | 40                                                        | 41                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 43                    | 39                   | 53                   | 41                                                      | 40                                                      | 40                                                      | 42                                                        | 40                                                        | 41                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 44                    | 40                   | 15                   | 41                                                      | 40                                                      | 40                                                      | 41                                                        | 40                                                        | 42                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 45                    | 40                   | 36                   | 41                                                      | 40                                                      | 40                                                      | 42                                                        | 40                                                        | 42                                                        | 39                                                        | 41                                                         | 40                                                          | 46                                                         |
| 46                    | 40                   | 58                   | 41                                                      | 41                                                      | 40                                                      | 41                                                        | 39                                                        | 40                                                        | 39                                                        | 41                                                         | 41                                                          | 47                                                         |
| 47                    | 41                   | 19                   | 41                                                      | 40                                                      | 41                                                      | 41                                                        | 40                                                        | 40                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 48                    | 41                   | 41                   | 41                                                      | 40                                                      | 41                                                      | 41                                                        | 40                                                        | 39                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 49                    | 42                   | 2                    | 41                                                      | 40                                                      | 40                                                      | 41                                                        | 40                                                        | 39                                                        | 39                                                        | 41                                                         | 41                                                          | 46                                                         |
| 50                    | 42                   | 24                   | 41                                                      | 41                                                      | 41                                                      | 40                                                        | 39                                                        | 39                                                        | 38                                                        | 41                                                         | 41                                                          | 45                                                         |
| 51                    | 42                   | 45                   | 41                                                      | 40                                                      | 40                                                      | 41                                                        | 40                                                        | 39                                                        | 38                                                        | 40                                                         | 41                                                          | 46                                                         |
| 52                    | 43                   | 7                    | 40                                                      | 40                                                      | 39                                                      | 40                                                        | 39                                                        | 39                                                        | 39                                                        | 40                                                         | 40                                                          | 46                                                         |
| 53                    | 43                   | 28                   | 40                                                      | 40                                                      | 40                                                      | 41                                                        | 40                                                        | 39                                                        | 39                                                        | 40                                                         | 41                                                          | 45                                                         |
| 54                    | 43                   | 49                   | 41                                                      | 40                                                      | 40                                                      | 39                                                        | 39                                                        | 38                                                        | 38                                                        | 41                                                         | 41                                                          | 46                                                         |
| 55                    | 44                   | 11                   | 41                                                      | 40                                                      | 40                                                      | 38                                                        | 39                                                        | 37                                                        | 36                                                        | 41                                                         | 41                                                          | 46                                                         |
| 56                    | 44                   | 32                   | 40                                                      | 40                                                      | 40                                                      | 39                                                        | 39                                                        | 39                                                        | 38                                                        | 40                                                         | 40                                                          | 46                                                         |
| 57                    | 44                   | 54                   | 41                                                      | 41                                                      | 40                                                      | 39                                                        | 39                                                        | 39                                                        | 38                                                        | 41                                                         | 41                                                          | 46                                                         |
| 58                    | 45                   | 15                   | 40                                                      | 39                                                      | 40                                                      | 40                                                        | 39                                                        | 39                                                        | 38                                                        | 40                                                         | 40                                                          | 46                                                         |
| 59                    | 45                   | 37                   | 41                                                      | 40                                                      | 40                                                      | 40                                                        | 39                                                        | 39                                                        | 38                                                        | 40                                                         | 40                                                          | 46                                                         |
| 60                    | 45                   | 59                   | 43                                                      | 43                                                      | 43                                                      | 43                                                        | 43                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                          | 49                                                         |
| 61                    | 46                   | 20                   | 43                                                      | 43                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                          | 49                                                         |
| 62                    | 46                   | 41                   | 42                                                      | 44                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                          | 49                                                         |
| 63                    | 47                   | 2                    | 43                                                      | 43                                                      | 44                                                      | 43                                                        | 43                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                          | 49                                                         |
| 64                    | 47                   | 23                   | 43                                                      | 43                                                      | 44                                                      | 44                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                          | 49                                                         |
| 65                    | 47                   | 44                   | 43                                                      | 44                                                      | 44                                                      | 44                                                        | 43                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                          | 50                                                         |
| 66                    | 48                   | 5                    | 43                                                      | 44                                                      | 44                                                      | 43                                                        | 43                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                          | 50                                                         |
| 67                    | 48                   | 26                   | 44                                                      | 44                                                      | 44                                                      | 43                                                        | 43                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                          | 50                                                         |
| 68                    | 48                   | 48                   | 43                                                      | 44                                                      | 44                                                      | 43                                                        | 44                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                          | 49                                                         |
| 69                    | 49                   | 8                    | 43                                                      | 43                                                      | 44                                                      | 43                                                        | 43                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                          | 49                                                         |
| 70                    | 49                   | 30                   | 43                                                      | 43                                                      | 44                                                      | 43                                                        | 43                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                          | 50                                                         |
| 71                    | 49                   | 51                   | 43                                                      | 43                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                          | 50                                                         |
| 72                    | 50                   | 1                    | 42                                                      | 43                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                          | 50                                                         |
| 73                    | 50                   | 33                   | 43                                                      | 44                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                          | 50                                                         |
| 74                    | 50                   | 54                   | 43                                                      | 44                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 41                                                        | 45                                                         | 45                                                          | 50                                                         |
| 75                    | 51                   | 15                   | 42                                                      | 44                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 41                                                        | 45                                                         | 44                                                          | 50                                                         |
| 76                    | 51                   | 36                   | 42                                                      | 44                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 41                                                        | 45                                                         | 44                                                          | 50                                                         |

| 6-01<br>JEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG-1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG-1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG-1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG-1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG-1<br>ACCESS<br>G-BOX<br>(FRI)<br>TEMP<br>DEG.C | 6-26<br>ENG-1<br>ACCESS<br>G-BOX<br>(FRI)<br>TEMP<br>DEG.C | 6-27<br>ENG-2<br>ACCESS<br>G-BOX<br>(STR)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| 77                    | 51                   | 57                   | 43                                                      | 44                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 45                                                         | 50                                                         |
| 78                    | 52                   | 16                   | 42                                                      | 44                                                      | 44                                                      | 43                                                        | 43                                                        | 42                                                        | 42                                                        | 45                                                         | 45                                                         | 49                                                         |
| 79                    | 52                   | 39                   | 42                                                      | 43                                                      | 43                                                      | 43                                                        | 43                                                        | 42                                                        | 42                                                        | 44                                                         | 45                                                         | 50                                                         |
| 80                    | 53                   | 1                    | 43                                                      | 44                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                         | 49                                                         |
| 81                    | 53                   | 22                   | 42                                                      | 43                                                      | 43                                                      | 44                                                        | 42                                                        | 42                                                        | 41                                                        | 44                                                         | 44                                                         | 50                                                         |
| 82                    | 53                   | 43                   | 43                                                      | 44                                                      | 43                                                      | 43                                                        | 43                                                        | 41                                                        | 42                                                        | 44                                                         | 44                                                         | 58                                                         |
| 83                    | 54                   | 4                    | 43                                                      | 43                                                      | 43                                                      | 42                                                        | 42                                                        | 41                                                        | 42                                                        | 44                                                         | 44                                                         | 61                                                         |
| 84                    | 54                   | *                    | 42                                                      | 44                                                      | 43                                                      | 42                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                         | 63                                                         |
| 85                    | 54                   | 46                   | 42                                                      | 43                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                         | 63                                                         |
| 86                    | 55                   | 8                    | 42                                                      | 43                                                      | 44                                                      | 42                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                         | 63                                                         |
| 87                    | 55                   | 26                   | 42                                                      | 43                                                      | 44                                                      | 44                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                         | 63                                                         |
| 88                    | 55                   | 50                   | 42                                                      | 43                                                      | 43                                                      | 44                                                        | 42                                                        | 43                                                        | 42                                                        | 44                                                         | 44                                                         | 63                                                         |
| 89                    | 56                   | 11                   | 42                                                      | 43                                                      | 44                                                      | 44                                                        | 43                                                        | 43                                                        | 42                                                        | 44                                                         | 44                                                         | 63                                                         |
| 90                    | 56                   | 32                   | 42                                                      | 43                                                      | 44                                                      | 43                                                        | 42                                                        | 42                                                        | 42                                                        | 44                                                         | 44                                                         | 63                                                         |
| 91                    | 56                   | 53                   | 42                                                      | 42                                                      | 44                                                      | 44                                                        | 43                                                        | 43                                                        | 42                                                        | 44                                                         | 44                                                         | 62                                                         |
| 92                    | 57                   | 14                   | 43                                                      | 43                                                      | 44                                                      | 44                                                        | 42                                                        | 43                                                        | 43                                                        | 45                                                         | 44                                                         | 62                                                         |
| 93                    | 57                   | 35                   | 44                                                      | 44                                                      | 44                                                      | 44                                                        | 43                                                        | 44                                                        | 43                                                        | 44                                                         | 44                                                         | 62                                                         |
| 94                    | 57                   | 56                   | 43                                                      | 44                                                      | 43                                                      | 44                                                        | 42                                                        | 44                                                        | 42                                                        | 44                                                         | 44                                                         | 61                                                         |
| 95                    | 58                   | 17                   | 43                                                      | 44                                                      | 44                                                      | 44                                                        | 43                                                        | 44                                                        | 43                                                        | 47                                                         | 47                                                         | 62                                                         |
| 96                    | 58                   | 38                   | 44                                                      | 44                                                      | 43                                                      | 45                                                        | 43                                                        | 45                                                        | 44                                                        | 47                                                         | 47                                                         | 62                                                         |
| 97                    | 58                   | 59                   | 44                                                      | 44                                                      | 44                                                      | 45                                                        | 43                                                        | 48                                                        | 45                                                        | 51                                                         | 51                                                         | 63                                                         |
| 98                    | 59                   | 19                   | 42                                                      | 44                                                      | 43                                                      | 45                                                        | 43                                                        | 49                                                        | 44                                                        | 60                                                         | 61                                                         | 61                                                         |
| 99                    | 59                   | 40                   | 42                                                      | 42                                                      | 43                                                      | 46                                                        | 44                                                        | 51                                                        | 45                                                        | 67                                                         | 54                                                         | 61                                                         |
| 100                   | 60                   | 1                    | 42                                                      | 42                                                      | 42                                                      | 46                                                        | 43                                                        | 51                                                        | 45                                                        | 68                                                         | 55                                                         | 62                                                         |
| 101                   | 60                   | 22                   | 42                                                      | 42                                                      | 42                                                      | 46                                                        | 44                                                        | 51                                                        | 45                                                        | 67                                                         | 59                                                         | 60                                                         |
| 102                   | 60                   | 43                   | 41                                                      | 42                                                      | 42                                                      | 46                                                        | 44                                                        | 51                                                        | 45                                                        | 66                                                         | 62                                                         | 61                                                         |
| 103                   | 61                   | 4                    | 41                                                      | 42                                                      | 42                                                      | 47                                                        | 43                                                        | 51                                                        | 45                                                        | 61                                                         | 61                                                         | 61                                                         |
| 104                   | 61                   | 26                   | 41                                                      | 41                                                      | 41                                                      | 47                                                        | 44                                                        | 52                                                        | 45                                                        | 66                                                         | 63                                                         | 60                                                         |
| 105                   | 61                   | 47                   | 41                                                      | 41                                                      | 41                                                      | 46                                                        | 45                                                        | 52                                                        | 45                                                        | 66                                                         | 66                                                         | 60                                                         |
| 106                   | 62                   | 4                    | 41                                                      | 41                                                      | 42                                                      | 47                                                        | 44                                                        | 52                                                        | 45                                                        | 65                                                         | 67                                                         | 61                                                         |
| 107                   | 62                   | 29                   | 41                                                      | 41                                                      | 42                                                      | 48                                                        | 44                                                        | 52                                                        | 45                                                        | 65                                                         | 66                                                         | 60                                                         |
| 108                   | 62                   | 51                   | 41                                                      | 41                                                      | 42                                                      | 47                                                        | 45                                                        | 53                                                        | 46                                                        | 65                                                         | *                                                          | 60                                                         |
| 109                   | 63                   | 12                   | 41                                                      | 42                                                      | 42                                                      | 48                                                        | 45                                                        | 53                                                        | 46                                                        | 65                                                         | 69                                                         | 61                                                         |
| 110                   | 63                   | 33                   | 42                                                      | 42                                                      | 44                                                      | 49                                                        | 46                                                        | 55                                                        | 46                                                        | 65                                                         | 72                                                         | 61                                                         |
| 111                   | 63                   | 54                   | 43                                                      | 45                                                      | 45                                                      | 50                                                        | 51                                                        | 55                                                        | 52                                                        | 65                                                         | *                                                          | 62                                                         |
| 112                   | 64                   | 16                   | 48                                                      | 48                                                      | 48                                                      | 51                                                        | 57                                                        | 59                                                        | 59                                                        | 66                                                         | *                                                          | 62                                                         |
| 113                   | 64                   | 37                   | 48                                                      | 48                                                      | 49                                                      | 52                                                        | *                                                         | *                                                         | *                                                         | 77                                                         | 77                                                         | 61                                                         |
| 114                   | 64                   | 58                   | 51                                                      | 52                                                      | 49                                                      | 54                                                        | 60                                                        | 62                                                        | 60                                                        | 76                                                         | 76                                                         | 62                                                         |
| 115                   | 65                   | 19                   | 49                                                      | 49                                                      | 51                                                      | 53                                                        | 53                                                        | 60                                                        | 56                                                        | *                                                          | *                                                          | 63                                                         |
| 116                   | 65                   | *                    | 48                                                      | 46                                                      | 50                                                      | 53                                                        | 49                                                        | 59                                                        | 52                                                        | 70                                                         | 70                                                         | 62                                                         |
| 117                   | 66                   | 2                    | 46                                                      | 47                                                      | 47                                                      | 53                                                        | 58                                                        | 58                                                        | 49                                                        | 77                                                         | 77                                                         | 62                                                         |
| 118                   | 66                   | 23                   | 41                                                      | 46                                                      | 46                                                      | 52                                                        | 45                                                        | 57                                                        | 48                                                        | 76                                                         | 76                                                         | 62                                                         |
| 119                   | 66                   | 44                   | 43                                                      | 45                                                      | 45                                                      | 49                                                        | 45                                                        | 69                                                        | 49                                                        | 76                                                         | 76                                                         | 61                                                         |
| 120                   | 67                   | 6                    | 42                                                      | 43                                                      | 44                                                      | 48                                                        | *                                                         | *                                                         | *                                                         | 77                                                         | 77                                                         | 62                                                         |
| 121                   | 67                   | 27                   | 41                                                      | 42                                                      | 43                                                      | 46                                                        | 44                                                        | 87                                                        | 49                                                        | 78                                                         | 78                                                         | 62                                                         |
| 122                   | 67                   | 48                   | 41                                                      | 42                                                      | 44                                                      | 47                                                        | 44                                                        | 92                                                        | 49                                                        | 78                                                         | 78                                                         | 62                                                         |
| 123                   | 67                   | 7                    | 41                                                      | 42                                                      | 43                                                      | 46                                                        | 44                                                        | 89                                                        | 49                                                        | 81                                                         | 81                                                         | 62                                                         |
| 124                   | 68                   | 31                   | 41                                                      | 42                                                      | 43                                                      | 46                                                        | 44                                                        | 98                                                        | 49                                                        | 83                                                         | 83                                                         | 63                                                         |
| 125                   | 68                   | 52                   | 41                                                      | 42                                                      | 43                                                      | 46                                                        | 45                                                        | 95                                                        | 49                                                        | *                                                          | *                                                          | 63                                                         |
| 126                   | 69                   | 13                   | 42                                                      | 42                                                      | 43                                                      | 47                                                        | 45                                                        | 100                                                       | 51                                                        | *                                                          | *                                                          | 63                                                         |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FND<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FND<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>FND<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>FND<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G. BOX<br>(STR) | 6-26<br>ENG.1<br>ACCESS<br>G. BOX<br>(IF FND)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G. BOX<br>(STR) |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------|--------------------------------------------|
| 127                   | 69                   | 35                   | 42                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 97                                                        | 51                                                        | 64                                         | 83                                                             | 83                                         |
| 128                   | 69                   | 36                   | 41                                                      | 42                                                      | 43                                                      | 47                                                        | 44                                                        | 181                                                       | 50                                                        | 64                                         | 85                                                             | 83                                         |
| 129                   | 70                   | 37                   | 42                                                      | 42                                                      | 44                                                      | 48                                                        | 46                                                        | 105                                                       | 51                                                        | 64                                         | 85                                                             | 83                                         |
| 130                   | 70                   | 38                   | 42                                                      | 42                                                      | 44                                                      | 48                                                        | 46                                                        | 104                                                       | 51                                                        | 64                                         | 85                                                             | 84                                         |
| 131                   | 71                   | 0                    | 42                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 106                                                       | 50                                                        | 64                                         | 88                                                             | 84                                         |
| 132                   | 71                   | 21                   | 41                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 98                                                        | 50                                                        | 64                                         | 85                                                             | 84                                         |
| 133                   | 71                   | 42                   | 41                                                      | 41                                                      | 43                                                      | 47                                                        | 45                                                        | 103                                                       | 51                                                        | 64                                         | 88                                                             | 84                                         |
| 134                   | 72                   | 3                    | 42                                                      | 43                                                      | 44                                                      | 47                                                        | 46                                                        | 107                                                       | 52                                                        | 64                                         | 96                                                             | 85                                         |
| 135                   | 72                   | 25                   | 43                                                      | 42                                                      | 44                                                      | 48                                                        | 48                                                        | 105                                                       | 51                                                        | 64                                         | 96                                                             | 84                                         |
| 136                   | 72                   | 46                   | 42                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 107                                                       | 52                                                        | 64                                         | 96                                                             | 85                                         |
| 137                   | 73                   | 7                    | 41                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 110                                                       | 51                                                        | 65                                         | 96                                                             | 85                                         |
| 138                   | 73                   | 20                   | 42                                                      | 42                                                      | 43                                                      | 48                                                        | 46                                                        | 112                                                       | 51                                                        | 64                                         | 92                                                             | 85                                         |
| 139                   | 73                   | 50                   | 42                                                      | 42                                                      | 44                                                      | 49                                                        | 45                                                        | 112                                                       | 52                                                        | 65                                         | 92                                                             | 85                                         |
| 140                   | 74                   | 11                   | 43                                                      | 42                                                      | 44                                                      | 49                                                        | 46                                                        | 109                                                       | 52                                                        | 65                                         | 92                                                             | 85                                         |
| 141                   | 74                   | 9                    | 43                                                      | 42                                                      | 44                                                      | 49                                                        | 46                                                        | 97                                                        | 52                                                        | 65                                         | 93                                                             | 85                                         |
| 142                   | 74                   | 53                   | 42                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 97                                                        | 51                                                        | 64                                         | 93                                                             | 85                                         |
| 143                   | 75                   | 15                   | 41                                                      | 42                                                      | 42                                                      | 48                                                        | 45                                                        | 107                                                       | 52                                                        | 65                                         | 96                                                             | 85                                         |
| 144                   | 75                   | 36                   | 42                                                      | 42                                                      | 43                                                      | 49                                                        | 45                                                        | 107                                                       | 52                                                        | 65                                         | 96                                                             | 85                                         |
| 145                   | 75                   | 57                   | 42                                                      | 42                                                      | 42                                                      | 49                                                        | 45                                                        | 107                                                       | 51                                                        | 65                                         | 93                                                             | 86                                         |
| 146                   | 76                   | 10                   | 42                                                      | 42                                                      | 43                                                      | 49                                                        | 46                                                        | 107                                                       | 52                                                        | 65                                         | 96                                                             | 86                                         |
| 147                   | 76                   | 40                   | 42                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 106                                                       | 52                                                        | 65                                         | 96                                                             | 86                                         |
| 148                   | 77                   | 1                    | 42                                                      | 42                                                      | 43                                                      | 48                                                        | 45                                                        | 107                                                       | 52                                                        | 65                                         | 92                                                             | 87                                         |
| 149                   | 77                   | 19                   | 43                                                      | 44                                                      | 45                                                      | 50                                                        | 45                                                        | 108                                                       | 52                                                        | 65                                         | 93                                                             | 87                                         |
| 150                   | 78                   | 43                   | 42                                                      | 43                                                      | 44                                                      | 50                                                        | 47                                                        | 114                                                       | 53                                                        | 65                                         | 92                                                             | 87                                         |
| 151                   | 78                   | 3                    | 44                                                      | 44                                                      | 44                                                      | 50                                                        | 46                                                        | 115                                                       | 53                                                        | 66                                         | 93                                                             | 88                                         |
| 152                   | 78                   | 26                   | 43                                                      | 42                                                      | 44                                                      | 50                                                        | 46                                                        | 96                                                        | 53                                                        | 66                                         | 93                                                             | 87                                         |
| 153                   | 79                   | 8                    | 42                                                      | 42                                                      | 43                                                      | 51                                                        | 48                                                        | 109                                                       | 52                                                        | 66                                         | 93                                                             | 88                                         |
| 154                   | 79                   | 30                   | 42                                                      | 42                                                      | 44                                                      | 51                                                        | 46                                                        | 109                                                       | 52                                                        | 66                                         | 91                                                             | 88                                         |
| 155                   | 79                   | 51                   | 42                                                      | 44                                                      | 44                                                      | 52                                                        | 49                                                        | 109                                                       | 55                                                        | 66                                         | 91                                                             | 88                                         |
| 156                   | 80                   | 12                   | 43                                                      | 43                                                      | 43                                                      | 52                                                        | 48                                                        | 112                                                       | 55                                                        | 66                                         | 91                                                             | 88                                         |
| 157                   | 80                   | 33                   | 42                                                      | 42                                                      | 43                                                      | 51                                                        | 49                                                        | 111                                                       | 55                                                        | 66                                         | 91                                                             | 88                                         |
| 158                   | 80                   | 55                   | 41                                                      | 42                                                      | 43                                                      | 51                                                        | 50                                                        | 103                                                       | 54                                                        | 66                                         | 91                                                             | 89                                         |
| 159                   | 81                   | 16                   | 42                                                      | 42                                                      | 43                                                      | 49                                                        | 45                                                        | 103                                                       | 53                                                        | 66                                         | 90                                                             | 89                                         |
| 160                   | 81                   | 35                   | 42                                                      | 42                                                      | 42                                                      | 49                                                        | 48                                                        | 107                                                       | 53                                                        | 66                                         | 90                                                             | 89                                         |
| 161                   | 81                   | 59                   | 43                                                      | 45                                                      | 44                                                      | 51                                                        | 50                                                        | 110                                                       | 55                                                        | 67                                         | 93                                                             | 89                                         |
| 162                   | 82                   | 20                   | 45                                                      | 45                                                      | 45                                                      | 51                                                        | 49                                                        | 116                                                       | 56                                                        | 66                                         | 93                                                             | 89                                         |
| 163                   | 82                   | 42                   | 44                                                      | 45                                                      | 44                                                      | 51                                                        | 48                                                        | 114                                                       | 54                                                        | 67                                         | 92                                                             | 90                                         |
| 164                   | 83                   | 3                    | 43                                                      | 43                                                      | 44                                                      | 51                                                        | 46                                                        | 105                                                       | 53                                                        | 66                                         | 91                                                             | 90                                         |
| 165                   | 83                   | 24                   | 42                                                      | 42                                                      | 43                                                      | 50                                                        | 46                                                        | 115                                                       | 53                                                        | 66                                         | 91                                                             | 90                                         |
| 166                   | 84                   | 45                   | 45                                                      | 45                                                      | 45                                                      | 50                                                        | 48                                                        | 116                                                       | 55                                                        | 68                                         | 92                                                             | 90                                         |
| 167                   | 84                   | 7                    | 48                                                      | 48                                                      | 48                                                      | 53                                                        | 52                                                        | 122                                                       | 59                                                        | 68                                         | 92                                                             | 91                                         |
| 168                   | 84                   | 20                   | 49                                                      | 49                                                      | 49                                                      | 55                                                        | 51                                                        | 123                                                       | 58                                                        | 68                                         | 92                                                             | 91                                         |
| 169                   | 84                   | 50                   | 51                                                      | 51                                                      | 51                                                      | 55                                                        | 52                                                        | 126                                                       | 58                                                        | 68                                         | 93                                                             | 91                                         |
| 170                   | 84                   | 11                   | 51                                                      | 52                                                      | 52                                                      | 56                                                        | 53                                                        | 129                                                       | 59                                                        | 68                                         | 94                                                             | 91                                         |
| 171                   | 85                   | 32                   | 51                                                      | 51                                                      | 52                                                      | 56                                                        | 52                                                        | 126                                                       | 59                                                        | 68                                         | 95                                                             | 91                                         |
| 172                   | 85                   | 54                   | 51                                                      | 51                                                      | 52                                                      | 56                                                        | 52                                                        | 126                                                       | 59                                                        | 68                                         | 96                                                             | 91                                         |
| 173                   | 85                   | 12                   | 51                                                      | 51                                                      | 53                                                      | 57                                                        | 53                                                        | 129                                                       | 59                                                        | 68                                         | 99                                                             | 92                                         |
| 174                   | 86                   | 34                   | 50                                                      | 51                                                      | 52                                                      | 57                                                        | 51                                                        | 120                                                       | 59                                                        | 68                                         | 99                                                             | 92                                         |
| 175                   | 86                   | 58                   | 50                                                      | 52                                                      | 53                                                      | 57                                                        | 51                                                        | 127                                                       | 60                                                        | 68                                         | 101                                                            | 92                                         |
| 176                   | 86                   | 58                   | 50                                                      | 52                                                      | 53                                                      | 56                                                        | 52                                                        | 127                                                       | 60                                                        | 68                                         | 101                                                            | 92                                         |

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-10<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG-1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG-1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG-1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG-1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG-1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG-1<br>ACCESS<br>5.BOX<br>(FWD)<br>TEMP<br>DEG.C | 6-26<br>ENG-1<br>ACCESS<br>5.BOX<br>(FWD)<br>TEMP<br>DEG.C | 6-27<br>ENG-2<br>ACCESS<br>5.BOX<br>(FWD)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| 177                   | 87                   | 19                   | 52                                                      | 52                                                      | 53                                                      | 57                                                        | 53                                                        | 130                                                       | 60                                                        | 69                                                         | *                                                          | 72                                                         |
| 178                   | 87                   | 41                   | 52                                                      | 52                                                      | 54                                                      | 57                                                        | 53                                                        | 132                                                       | 60                                                        | 69                                                         | 102                                                        | 73                                                         |
| 179                   | 88                   | 2                    | 51                                                      | 52                                                      | 53                                                      | 56                                                        | 52                                                        | 128                                                       | 60                                                        | 70                                                         | *                                                          | 74                                                         |
| 180                   | 88                   | 23                   | 52                                                      | 52                                                      | 54                                                      | 58                                                        | 53                                                        | 126                                                       | 61                                                        | 69                                                         | 107                                                        | 73                                                         |
| 181                   | 88                   | 45                   | 52                                                      | 52                                                      | 54                                                      | 58                                                        | 54                                                        | 129                                                       | 61                                                        | 70                                                         | 101                                                        | 74                                                         |
| 182                   | 89                   | 5                    | 51                                                      | 51                                                      | 52                                                      | 58                                                        | 52                                                        | 121                                                       | 59                                                        | 70                                                         | 100                                                        | 74                                                         |
| 183                   | 89                   | 28                   | 49                                                      | 49                                                      | 50                                                      | 58                                                        | 51                                                        | 123                                                       | 58                                                        | 71                                                         | 101                                                        | 74                                                         |
| 184                   | 89                   | 49                   | 47                                                      | 47                                                      | 48                                                      | 57                                                        | 49                                                        | 118                                                       | 57                                                        | 70                                                         | 99                                                         | 73                                                         |
| 185                   | 90                   | 10                   | 45                                                      | 46                                                      | 48                                                      | 59                                                        | 44                                                        | 101                                                       | 56                                                        | 68                                                         | 95                                                         | 72                                                         |
| 186                   | 90                   | 44                   | 44                                                      | 44                                                      | 47                                                      | 57                                                        | 44                                                        | 94                                                        | 51                                                        | 68                                                         | 96                                                         | 71                                                         |
| 187                   | 90                   | 53                   | 42                                                      | 43                                                      | 46                                                      | 53                                                        | 44                                                        | 88                                                        | 51                                                        | 68                                                         | 95                                                         | 70                                                         |
| 188                   | 91                   | 14                   | 41                                                      | 42                                                      | 44                                                      | 53                                                        | 45                                                        | 81                                                        | 50                                                        | 68                                                         | 94                                                         | 68                                                         |
| 189                   | 91                   | 35                   | 40                                                      | 41                                                      | 44                                                      | 52                                                        | 45                                                        | 77                                                        | 49                                                        | 68                                                         | 93                                                         | 68                                                         |
| 190                   | 91                   | 56                   | 39                                                      | 41                                                      | 44                                                      | 51                                                        | 45                                                        | 77                                                        | 49                                                        | 67                                                         | 91                                                         | 67                                                         |
| 191                   | 92                   | 17                   | 39                                                      | 41                                                      | 44                                                      | 51                                                        | 45                                                        | 75                                                        | 48                                                        | 68                                                         | 95                                                         | 67                                                         |
| 192                   | 92                   | 38                   | 39                                                      | 40                                                      | 43                                                      | 50                                                        | 45                                                        | 73                                                        | 48                                                        | 67                                                         | 92                                                         | 66                                                         |
| 193                   | 92                   | 59                   | 35                                                      | 41                                                      | 42                                                      | 50                                                        | 43                                                        | 65                                                        | 48                                                        | 68                                                         | 99                                                         | 64                                                         |
| 194                   | 92                   | 20                   | 39                                                      | 41                                                      | 43                                                      | 48                                                        | 42                                                        | 77                                                        | 48                                                        | 68                                                         | *                                                          | 65                                                         |
| 195                   | 93                   | 41                   | 39                                                      | 41                                                      | 43                                                      | 47                                                        | 46                                                        | 74                                                        | 48                                                        | 68                                                         | 92                                                         | 65                                                         |
| 196                   | 94                   | 2                    | 39                                                      | 40                                                      | 42                                                      | 44                                                        | 46                                                        | 77                                                        | 48                                                        | 68                                                         | 86                                                         | 64                                                         |
| 197                   | 94                   | 23                   | 40                                                      | 41                                                      | 42                                                      | 45                                                        | 45                                                        | 76                                                        | 48                                                        | 67                                                         | 85                                                         | 65                                                         |
| 198                   | 94                   | 45                   | 41                                                      | 42                                                      | 41                                                      | 48                                                        | 46                                                        | 92                                                        | 52                                                        | 69                                                         | 86                                                         | 66                                                         |
| 199                   | 95                   | 6                    | 41                                                      | 42                                                      | 42                                                      | 50                                                        | 48                                                        | 100                                                       | 53                                                        | 69                                                         | 85                                                         | 68                                                         |
| 200                   | 95                   | 27                   | 41                                                      | 43                                                      | 43                                                      | 50                                                        | 48                                                        | 104                                                       | 54                                                        | 70                                                         | 86                                                         | 68                                                         |
| 201                   | 95                   | 49                   | 42                                                      | 43                                                      | 43                                                      | 51                                                        | 48                                                        | 103                                                       | 54                                                        | 69                                                         | 86                                                         | 69                                                         |
| 202                   | 96                   | 18                   | 42                                                      | 42                                                      | 43                                                      | 51                                                        | 48                                                        | 105                                                       | 54                                                        | 69                                                         | *                                                          | *                                                          |
| 203                   | 96                   | 31                   | 41                                                      | 42                                                      | 42                                                      | 51                                                        | 48                                                        | 110                                                       | 54                                                        | 78                                                         | 87                                                         | 69                                                         |
| 204                   | 96                   | 53                   | 41                                                      | 43                                                      | 42                                                      | 51                                                        | 48                                                        | 109                                                       | 54                                                        | 78                                                         | 91                                                         | 69                                                         |
| 205                   | 97                   | 14                   | 41                                                      | 42                                                      | 42                                                      | 51                                                        | 48                                                        | 110                                                       | 55                                                        | 70                                                         | 89                                                         | 69                                                         |
| 206                   | 97                   | 35                   | 42                                                      | 43                                                      | 42                                                      | 52                                                        | 48                                                        | 103                                                       | 54                                                        | 69                                                         | 88                                                         | 70                                                         |
| 207                   | 97                   | 57                   | 42                                                      | 44                                                      | 43                                                      | 52                                                        | 48                                                        | 106                                                       | 55                                                        | 69                                                         | 88                                                         | 70                                                         |
| 208                   | 98                   | 18                   | 43                                                      | 43                                                      | 42                                                      | 51                                                        | 49                                                        | 110                                                       | 55                                                        | 70                                                         | 90                                                         | 70                                                         |
| 209                   | 98                   | 39                   | 42                                                      | 43                                                      | 42                                                      | 51                                                        | 48                                                        | 112                                                       | 55                                                        | 70                                                         | *                                                          | 70                                                         |
| 210                   | 99                   | 1                    | 43                                                      | 43                                                      | 43                                                      | 51                                                        | 48                                                        | 110                                                       | 55                                                        | 70                                                         | *                                                          | 70                                                         |
| 211                   | 99                   | 22                   | 41                                                      | 42                                                      | 43                                                      | 51                                                        | 49                                                        | 114                                                       | 56                                                        | 70                                                         | 93                                                         | 71                                                         |
| 212                   | 99                   | 43                   | 41                                                      | 42                                                      | 42                                                      | 51                                                        | 48                                                        | 109                                                       | 56                                                        | 70                                                         | 92                                                         | 71                                                         |
| 213                   | 100                  | 5                    | 41                                                      | 43                                                      | 42                                                      | 51                                                        | 48                                                        | 115                                                       | 55                                                        | 70                                                         | 91                                                         | 71                                                         |
| 214                   | 100                  | 26                   | 42                                                      | 44                                                      | 42                                                      | 51                                                        | 49                                                        | 107                                                       | 57                                                        | 70                                                         | 91                                                         | 71                                                         |
| 215                   | 100                  | 47                   | 41                                                      | 43                                                      | 43                                                      | 51                                                        | 49                                                        | 113                                                       | 55                                                        | 70                                                         | 91                                                         | 71                                                         |
| 216                   | 101                  | 8                    | 41                                                      | 42                                                      | 42                                                      | 50                                                        | 49                                                        | 114                                                       | 55                                                        | 71                                                         | 90                                                         | 72                                                         |
| 217                   | 101                  | 30                   | 41                                                      | 42                                                      | 41                                                      | 51                                                        | 48                                                        | 110                                                       | 55                                                        | 71                                                         | 91                                                         | 71                                                         |
| 218                   | 101                  | 51                   | 41                                                      | 43                                                      | 42                                                      | 50                                                        | 48                                                        | 112                                                       | 55                                                        | 71                                                         | 96                                                         | 71                                                         |
| 219                   | 102                  | 13                   | 41                                                      | 42                                                      | 42                                                      | 51                                                        | 48                                                        | 113                                                       | 55                                                        | 70                                                         | 92                                                         | 71                                                         |
| 220                   | 102                  | 34                   | 41                                                      | 42                                                      | 42                                                      | 51                                                        | 48                                                        | 113                                                       | 55                                                        | 71                                                         | 92                                                         | 71                                                         |
| 221                   | 102                  | 55                   | 41                                                      | 42                                                      | 42                                                      | 51                                                        | 48                                                        | 114                                                       | 55                                                        | 71                                                         | 92                                                         | 72                                                         |
| 222                   | 103                  | 17                   | 42                                                      | 44                                                      | 42                                                      | 52                                                        | 51                                                        | 109                                                       | 56                                                        | 71                                                         | 92                                                         | 72                                                         |
| 223                   | 103                  | 38                   | 42                                                      | 44                                                      | 43                                                      | 52                                                        | 50                                                        | 105                                                       | 56                                                        | 71                                                         | 93                                                         | 72                                                         |
| 224                   | 104                  | 0                    | 42                                                      | 44                                                      | 43                                                      | 53                                                        | 49                                                        | 108                                                       | 54                                                        | 71                                                         | 93                                                         | 72                                                         |
| 225                   | 104                  | 21                   | 42                                                      | 44                                                      | 42                                                      | 52                                                        | 49                                                        | 98                                                        | 54                                                        | 71                                                         | 92                                                         | 72                                                         |
| 226                   | 104                  | 42                   | 42                                                      | 43                                                      | 42                                                      | 52                                                        | 50                                                        | 115                                                       | 55                                                        | 71                                                         | 91                                                         | 73                                                         |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPT<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPT<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPT<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPT<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G-BOX<br>(GRT)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>G-BOX<br>(FRI)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G-BOX<br>(STRT)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|
| 227                   | 105                  | 4                    | 42                                                      | 43                                                      | 43                                                      | 51                                                        | 49                                                        | 114                                                       | 55                                                        | 71                                                         | 91                                                         | 73                                                          |
| 228                   | 105                  | 25                   | 42                                                      | 43                                                      | 43                                                      | 52                                                        | 50                                                        | 109                                                       | 55                                                        | 71                                                         | 92                                                         | 72                                                          |
| 229                   | 105                  | 46                   | 42                                                      | 44                                                      | 44                                                      | 51                                                        | 51                                                        | 106                                                       | 55                                                        | *                                                          | *                                                          | 72                                                          |
| 230                   | 106                  | 8                    | 43                                                      | 44                                                      | 44                                                      | 53                                                        | 50                                                        | 102                                                       | 56                                                        | 71                                                         | 92                                                         | 73                                                          |
| 231                   | 106                  | 29                   | 42                                                      | 44                                                      | 44                                                      | 53                                                        | 50                                                        | 109                                                       | 55                                                        | 71                                                         | 92                                                         | 73                                                          |
| 232                   | 106                  | 50                   | 43                                                      | 44                                                      | 44                                                      | 53                                                        | 51                                                        | 111                                                       | 55                                                        | 71                                                         | 92                                                         | 73                                                          |
| 233                   | 107                  | 12                   | 42                                                      | 44                                                      | 44                                                      | 53                                                        | 51                                                        | 115                                                       | 55                                                        | 71                                                         | 92                                                         | 74                                                          |
| 234                   | 107                  | 33                   | 42                                                      | 44                                                      | 44                                                      | 52                                                        | 51                                                        | 110                                                       | 56                                                        | 72                                                         | 92                                                         | 74                                                          |
| 235                   | 107                  | 54                   | 44                                                      | 44                                                      | 44                                                      | 52                                                        | 51                                                        | 99                                                        | 56                                                        | 72                                                         | 93                                                         | 74                                                          |
| 236                   | 108                  | 16                   | 44                                                      | 45                                                      | 44                                                      | 54                                                        | 51                                                        | 101                                                       | 56                                                        | 72                                                         | 93                                                         | 74                                                          |
| 237                   | 108                  | 37                   | 44                                                      | 45                                                      | 44                                                      | 55                                                        | 50                                                        | 103                                                       | 57                                                        | 71                                                         | 92                                                         | 74                                                          |
| 238                   | 108                  | 56                   | 44                                                      | 45                                                      | 44                                                      | 54                                                        | 50                                                        | 103                                                       | 57                                                        | 71                                                         | 92                                                         | 73                                                          |
| 239                   | 109                  | 20                   | 44                                                      | 45                                                      | 45                                                      | 54                                                        | 51                                                        | 103                                                       | 56                                                        | 71                                                         | 93                                                         | 74                                                          |
| 240                   | 109                  | 41                   | 44                                                      | 44                                                      | 44                                                      | 52                                                        | 50                                                        | 106                                                       | 56                                                        | 72                                                         | 93                                                         | 74                                                          |
| 241                   | 110                  | 2                    | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 49                                                        | 112                                                       | 56                                                        | 71                                                         | 93                                                         | 74                                                          |
| 242                   | 110                  | 24                   | 42                                                      | 44                                                      | 44                                                      | 52                                                        | 50                                                        | 109                                                       | 55                                                        | 72                                                         | 92                                                         | 75                                                          |
| 243                   | 110                  | 45                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 51                                                        | 115                                                       | 57                                                        | 72                                                         | 93                                                         | 74                                                          |
| 244                   | 111                  | 6                    | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 51                                                        | 113                                                       | 56                                                        | 72                                                         | 93                                                         | 75                                                          |
| 245                   | 111                  | 28                   | 43                                                      | 45                                                      | 44                                                      | 52                                                        | 51                                                        | 106                                                       | 56                                                        | 72                                                         | 93                                                         | 75                                                          |
| 246                   | 111                  | 49                   | 42                                                      | 43                                                      | 43                                                      | 52                                                        | 51                                                        | 114                                                       | 56                                                        | 72                                                         | 93                                                         | 75                                                          |
| 247                   | 112                  | 11                   | 42                                                      | 44                                                      | 44                                                      | 52                                                        | 49                                                        | 113                                                       | 58                                                        | 72                                                         | 92                                                         | 75                                                          |
| 248                   | 112                  | 32                   | 42                                                      | 43                                                      | 43                                                      | 51                                                        | 49                                                        | 113                                                       | 55                                                        | 73                                                         | 93                                                         | 75                                                          |
| 249                   | 112                  | 53                   | 42                                                      | 43                                                      | 43                                                      | 53                                                        | 51                                                        | 102                                                       | 56                                                        | 72                                                         | 93                                                         | 76                                                          |
| 250                   | 113                  | 15                   | 42                                                      | 43                                                      | 44                                                      | 53                                                        | 50                                                        | 107                                                       | 55                                                        | 73                                                         | 93                                                         | 75                                                          |
| 251                   | 113                  | 36                   | 42                                                      | 44                                                      | 44                                                      | 53                                                        | 50                                                        | 110                                                       | 54                                                        | 72                                                         | 92                                                         | 75                                                          |
| 252                   | 113                  | 57                   | 43                                                      | 44                                                      | 45                                                      | 49                                                        | 48                                                        | 91                                                        | 54                                                        | 72                                                         | 92                                                         | 75                                                          |
| 253                   | 114                  | 18                   | 42                                                      | 43                                                      | 44                                                      | 52                                                        | 46                                                        | 77                                                        | 54                                                        | 72                                                         | 92                                                         | 74                                                          |
| 254                   | 114                  | 39                   | 42                                                      | 43                                                      | 44                                                      | 53                                                        | 46                                                        | 62                                                        | 52                                                        | 72                                                         | 92                                                         | 74                                                          |
| 255                   | 115                  | 0                    | 42                                                      | 43                                                      | 44                                                      | 53                                                        | 47                                                        | 59                                                        | 50                                                        | 72                                                         | 93                                                         | 74                                                          |
| 256                   | 115                  | 21                   | 42                                                      | 44                                                      | 44                                                      | 52                                                        | 46                                                        | 59                                                        | 50                                                        | 71                                                         | 94                                                         | 73                                                          |
| 257                   | 115                  | 42                   | 42                                                      | 43                                                      | 43                                                      | 52                                                        | 45                                                        | 62                                                        | 50                                                        | 72                                                         | 90                                                         | 72                                                          |
| 258                   | 115                  | 63                   | 42                                                      | 42                                                      | 44                                                      | 51                                                        | 45                                                        | 73                                                        | 49                                                        | 70                                                         | 88                                                         | 72                                                          |
| 259                   | 116                  | 25                   | 41                                                      | 42                                                      | 42                                                      | 53                                                        | 42                                                        | 85                                                        | 51                                                        | 69                                                         | 84                                                         | 70                                                          |
| 260                   | 116                  | 46                   | 40                                                      | 41                                                      | 42                                                      | 53                                                        | 41                                                        | 86                                                        | 51                                                        | 70                                                         | 84                                                         | 69                                                          |
| 261                   | 117                  | 7                    | 39                                                      | 40                                                      | 41                                                      | 51                                                        | 38                                                        | 80                                                        | 51                                                        | 70                                                         | 83                                                         | 68                                                          |
| 262                   | 117                  | 28                   | 37                                                      | 38                                                      | 40                                                      | 49                                                        | 37                                                        | 79                                                        | 50                                                        | 69                                                         | 82                                                         | 68                                                          |
| 263                   | 117                  | 49                   | 36                                                      | 37                                                      | 39                                                      | 46                                                        | 36                                                        | 82                                                        | 43                                                        | 62                                                         | 82                                                         | 68                                                          |
| 264                   | 118                  | 10                   | 35                                                      | 36                                                      | 39                                                      | 46                                                        | 41                                                        | 76                                                        | 45                                                        | 69                                                         | 83                                                         | 67                                                          |
| 265                   | 118                  | 31                   | 35                                                      | 37                                                      | 39                                                      | 45                                                        | 42                                                        | 72                                                        | 44                                                        | 68                                                         | 83                                                         | 65                                                          |
| 266                   | 118                  | 52                   | 34                                                      | 36                                                      | 37                                                      | 46                                                        | 41                                                        | 76                                                        | 44                                                        | 68                                                         | 84                                                         | 65                                                          |
| 267                   | 119                  | 13                   | 34                                                      | 36                                                      | 37                                                      | 46                                                        | 41                                                        | 80                                                        | 44                                                        | 69                                                         | 85                                                         | 63                                                          |
| 268                   | 119                  | 34                   | 35                                                      | 37                                                      | 39                                                      | 49                                                        | 33                                                        | 84                                                        | 44                                                        | 68                                                         | 83                                                         | 63                                                          |
| 269                   | 119                  | 55                   | 35                                                      | 36                                                      | 37                                                      | 47                                                        | 40                                                        | 84                                                        | 44                                                        | 69                                                         | 85                                                         | 62                                                          |
| 270                   | 120                  | 16                   | 35                                                      | 36                                                      | 37                                                      | 45                                                        | 38                                                        | 83                                                        | 44                                                        | 68                                                         | 81                                                         | 61                                                          |
| 271                   | 120                  | 37                   | 36                                                      | 36                                                      | 37                                                      | 47                                                        | 41                                                        | 71                                                        | 44                                                        | 67                                                         | 79                                                         | 61                                                          |
| 272                   | 120                  | 58                   | 37                                                      | 37                                                      | 38                                                      | 49                                                        | 42                                                        | 68                                                        | 47                                                        | 67                                                         | 78                                                         | 61                                                          |
| 273                   | 121                  | 19                   | 37                                                      | 38                                                      | 39                                                      | 50                                                        | 41                                                        | 68                                                        | 48                                                        | 66                                                         | 79                                                         | 60                                                          |
| 274                   | 121                  | 40                   | 38                                                      | 39                                                      | 39                                                      | 50                                                        | 41                                                        | 67                                                        | 48                                                        | 66                                                         | 78                                                         | 59                                                          |
| 275                   | 122                  | 1                    | 39                                                      | 40                                                      | 40                                                      | 51                                                        | 42                                                        | 70                                                        | 48                                                        | 66                                                         | 80                                                         | 59                                                          |
| 276                   | 122                  | 22                   | 40                                                      | 40                                                      | 41                                                      | 52                                                        | 42                                                        | 71                                                        | 49                                                        | 65                                                         | 77                                                         | 60                                                          |

| 6-01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-18<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>4.00<br>DEG.C | 6-19<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>5.00<br>DEG.C | 6-20<br>ENG.1<br>INLET<br>LIP<br>SURF.<br>6.00<br>DEG.C | 6-21<br>ENG.1<br>COMPR<br>UPPER<br>FWD<br>AIRTMP<br>DEG.C | 6-22<br>ENG.1<br>COMPR<br>LOWER<br>FWD<br>AIRTMP<br>DEG.C | 6-23<br>ENG.1<br>COMPR<br>UPPER<br>AFT<br>AIRTMP<br>DEG.C | 6-24<br>ENG.1<br>COMPR<br>LOWER<br>AFT<br>AIRTMP<br>DEG.C | 6-25<br>ENG.1<br>ACCESS<br>G.80X<br>(STR)<br>TEMP<br>DEG.C | 6-26<br>ENG.1<br>ACCESS<br>G.80X<br>(F PR)<br>TEMP<br>DEG.C | 6-27<br>ENG.2<br>ACCESS<br>G.80X<br>(STR)<br>TEMP<br>DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|
| 277                    | 122                  | 43                   | 40                                                      | 41                                                      | 41                                                      | 52                                                        | 42                                                        | 74                                                        | 49                                                        | 65                                                         | 76                                                          | 59                                                         |
| 278                    | 123                  | 4                    | 40                                                      | 41                                                      | 41                                                      | 48                                                        | 41                                                        | 76                                                        | 46                                                        | 66                                                         | 77                                                          | 59                                                         |
| 279                    | 123                  | 25                   | 39                                                      | 40                                                      | 40                                                      | 44                                                        | 41                                                        | 73                                                        | 45                                                        | 66                                                         | 76                                                          | 59                                                         |
| 280                    | 123                  | 47                   | 38                                                      | 39                                                      | 40                                                      | 45                                                        | 40                                                        | 75                                                        | 45                                                        | 64                                                         | 75                                                          | 59                                                         |
| 281                    | 124                  | 8                    | 38                                                      | 39                                                      | 40                                                      | 47                                                        | 40                                                        | 79                                                        | 45                                                        | 64                                                         | 74                                                          | 59                                                         |
| 282                    | 124                  | 29                   | 38                                                      | 39                                                      | 39                                                      | 40                                                        | 42                                                        | 75                                                        | 48                                                        | 64                                                         | 78                                                          | 59                                                         |
| 283                    | 124                  | 50                   | 38                                                      | 39                                                      | 40                                                      | 43                                                        | 42                                                        | 73                                                        | 47                                                        | 63                                                         | 76                                                          | 58                                                         |
| 284                    | 125                  | 11                   | 38                                                      | 39                                                      | 39                                                      | 49                                                        | 42                                                        | 69                                                        | 46                                                        | 63                                                         | 78                                                          | 58                                                         |
| 285                    | 125                  | 32                   | 38                                                      | 39                                                      | 39                                                      | 50                                                        | 43                                                        | 69                                                        | 46                                                        | 63                                                         | 76                                                          | 58                                                         |
| 286                    | 125                  | 53                   | 38                                                      | 39                                                      | 39                                                      | 49                                                        | 43                                                        | 73                                                        | 49                                                        | 62                                                         | 92                                                          | 56                                                         |
| 287                    | 126                  | 14                   | 38                                                      | 38                                                      | 39                                                      | 46                                                        | 42                                                        | 75                                                        | 48                                                        | 62                                                         | 75                                                          | 57                                                         |
| 288                    | 126                  | 35                   | 38                                                      | 38                                                      | 39                                                      | 48                                                        | 41                                                        | 70                                                        | *                                                         | 61                                                         | 76                                                          | 56                                                         |
| 289                    | 126                  | 56                   | 37                                                      | 38                                                      | 39                                                      | 48                                                        | 41                                                        | 69                                                        | 48                                                        | 62                                                         | 81                                                          | 56                                                         |
| 290                    | 127                  | 17                   | 37                                                      | 38                                                      | 39                                                      | 48                                                        | 41                                                        | 67                                                        | 46                                                        | 62                                                         | 75                                                          | 55                                                         |
| 291                    | 127                  | 37                   | 37                                                      | 38                                                      | 39                                                      | 48                                                        | 41                                                        | 68                                                        | 45                                                        | 61                                                         | 79                                                          | 56                                                         |
| 292                    | 127                  | 59                   | 37                                                      | 38                                                      | 39                                                      | 46                                                        | 41                                                        | 71                                                        | 46                                                        | 62                                                         | 79                                                          | 56                                                         |
| 293                    | 128                  | 20                   | 38                                                      | 38                                                      | 39                                                      | 44                                                        | 41                                                        | 69                                                        | 49                                                        | 60                                                         | 76                                                          | 56                                                         |
| 294                    | 128                  | 48                   | 40                                                      | 41                                                      | 41                                                      | 44                                                        | 43                                                        | 65                                                        | 51                                                        | 64                                                         | 76                                                          | 58                                                         |
| 295                    | 129                  | 1                    | 39                                                      | 39                                                      | 41                                                      | 45                                                        | 42                                                        | 71                                                        | 51                                                        | 63                                                         | 78                                                          | 58                                                         |
| 296                    | 129                  | 22                   | 39                                                      | 40                                                      | 41                                                      | 46                                                        | 43                                                        | 73                                                        | 48                                                        | 62                                                         | 74                                                          | 58                                                         |
| 297                    | 129                  | 43                   | 39                                                      | 40                                                      | 41                                                      | 46                                                        | 43                                                        | 73                                                        | 48                                                        | 61                                                         | 74                                                          | 57                                                         |
| 298                    | 130                  | 4                    | 39                                                      | 40                                                      | 41                                                      | 47                                                        | 42                                                        | 73                                                        | 48                                                        | 61                                                         | 78                                                          | 57                                                         |
| 299                    | 130                  | 26                   | 39                                                      | 40                                                      | 39                                                      | 48                                                        | 43                                                        | 71                                                        | 49                                                        | 61                                                         | 77                                                          | 56                                                         |
| 300                    | 130                  | 47                   | 39                                                      | 40                                                      | 41                                                      | 48                                                        | 43                                                        | 71                                                        | 49                                                        | 60                                                         | 76                                                          | 56                                                         |
| 301                    | 131                  | 8                    | 39                                                      | 40                                                      | 41                                                      | 49                                                        | 42                                                        | 71                                                        | 46                                                        | 60                                                         | *                                                           | 56                                                         |
| 302                    | 131                  | 29                   | 39                                                      | 41                                                      | 41                                                      | 49                                                        | 42                                                        | 76                                                        | 47                                                        | 61                                                         | 77                                                          | 56                                                         |
| 303                    | 131                  | 50                   | 38                                                      | 39                                                      | 41                                                      | 46                                                        | 41                                                        | 71                                                        | 46                                                        | 61                                                         | 79                                                          | 56                                                         |
| 304                    | 132                  | 11                   | 39                                                      | 40                                                      | 41                                                      | 44                                                        | 41                                                        | 66                                                        | 46                                                        | 61                                                         | 78                                                          | 56                                                         |
| 305                    | 132                  | 32                   | 39                                                      | 40                                                      | 41                                                      | 43                                                        | 41                                                        | 71                                                        | 46                                                        | 62                                                         | 78                                                          | 56                                                         |
| 306                    | 132                  | 53                   | 40                                                      | 41                                                      | 41                                                      | 43                                                        | 44                                                        | 76                                                        | 46                                                        | 62                                                         | 78                                                          | 56                                                         |
| 307                    | 133                  | 15                   | 42                                                      | 43                                                      | 41                                                      | 45                                                        | 46                                                        | 83                                                        | 49                                                        | 62                                                         | 77                                                          | 58                                                         |
| 308                    | 133                  | 36                   | 41                                                      | 42                                                      | 42                                                      | 48                                                        | 47                                                        | 85                                                        | 51                                                        | 63                                                         | 79                                                          | 58                                                         |
| 309                    | 133                  | 57                   | 41                                                      | 43                                                      | 44                                                      | 48                                                        | 48                                                        | 92                                                        | 51                                                        | 63                                                         | 79                                                          | 58                                                         |
| 310                    | 134                  | 18                   | 41                                                      | 42                                                      | 42                                                      | 48                                                        | 45                                                        | 88                                                        | 49                                                        | 63                                                         | 80                                                          | 58                                                         |
| 311                    | 134                  | 48                   | 41                                                      | 42                                                      | 42                                                      | 48                                                        | 45                                                        | 88                                                        | 48                                                        | 62                                                         | 79                                                          | 58                                                         |
| 312                    | 135                  | 1                    | 41                                                      | 42                                                      | 43                                                      | 49                                                        | 46                                                        | 80                                                        | 49                                                        | 63                                                         | *                                                           | 59                                                         |
| 313                    | 135                  | 22                   | 41                                                      | 42                                                      | 43                                                      | 50                                                        | 46                                                        | 80                                                        | 49                                                        | 63                                                         | *                                                           | 59                                                         |
| 314                    | 135                  | 43                   | 41                                                      | 42                                                      | 43                                                      | 51                                                        | 45                                                        | 85                                                        | 49                                                        | 63                                                         | 82                                                          | 59                                                         |
| 315                    | 136                  | 4                    | 41                                                      | 42                                                      | 44                                                      | 50                                                        | 45                                                        | 85                                                        | 48                                                        | 63                                                         | 84                                                          | 59                                                         |
| 316                    | 136                  | 25                   | 42                                                      | 42                                                      | 44                                                      | 50                                                        | 46                                                        | 85                                                        | 48                                                        | 62                                                         | *                                                           | 59                                                         |
| 317                    | 136                  | 47                   | 42                                                      | 43                                                      | 44                                                      | 51                                                        | 46                                                        | 85                                                        | 48                                                        | 62                                                         | *                                                           | 60                                                         |
| 318                    | 137                  | 8                    | 42                                                      | 43                                                      | 44                                                      | 51                                                        | 46                                                        | 85                                                        | 48                                                        | 63                                                         | 86                                                          | 60                                                         |
| 319                    | 137                  | 29                   | 43                                                      | 43                                                      | 44                                                      | 51                                                        | 46                                                        | 85                                                        | 49                                                        | 62                                                         | *                                                           | 60                                                         |
| 320                    | 137                  | 50                   | 43                                                      | 43                                                      | 44                                                      | 51                                                        | 46                                                        | 85                                                        | 49                                                        | 62                                                         | *                                                           | 61                                                         |
| 321                    | 138                  | 11                   | 43                                                      | 42                                                      | 43                                                      | 49                                                        | 45                                                        | 85                                                        | 48                                                        | 63                                                         | *                                                           | 61                                                         |
| 322                    | 138                  | 34                   | 43                                                      | 44                                                      | 44                                                      | 52                                                        | 46                                                        | 85                                                        | 48                                                        | 63                                                         | 82                                                          | 61                                                         |
| 323                    | 138                  | 55                   | 43                                                      | 44                                                      | 44                                                      | 53                                                        | 47                                                        | 93                                                        | 51                                                        | 63                                                         | 82                                                          | 62                                                         |
| 324                    | 139                  | 16                   | 43                                                      | 44                                                      | 44                                                      | 53                                                        | 47                                                        | 93                                                        | 51                                                        | 63                                                         | 82                                                          | 62                                                         |
| 325                    | 139                  | 37                   | 43                                                      | 43                                                      | 44                                                      | 53                                                        | 45                                                        | 121                                                       | 52                                                        | 64                                                         | 83                                                          | 62                                                         |
| 326                    | 139                  | 58                   | 43                                                      | 44                                                      | 44                                                      | 55                                                        | 45                                                        | 119                                                       | 53                                                        | 64                                                         | 81                                                          | 62                                                         |

|       |      |      |       |       |       |        |        |        |        |        |        |        |
|-------|------|------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| -01   | 6-02 | 6-03 | 6-18  | 6-19  | 6-20  | 6-21   | 6-22   | 6-23   | 6-24   | 6-25   | 6-26   | 6-27   |
| SWEET | TIME | TIME | ENG.1 | ENG.1 | ENG.1 | ENG.1  | ENG.1  | ENG.1  | ENG.1  | ENG.1  | ENG.1  | ENG.2  |
| COUNT | MIN. | SEC. | INLET | INLET | INLET | COMPT  | COMPT  | COMPT  | COMPT  | ACCESS | ACCESS | ACCESS |
|       |      |      | LIP   | LIP   | LIP   | UPPER  | LOWER  | UPPER  | LOWER  | G.BOX  | G.BOX  | G.BOX  |
|       |      |      | SURF. | SURF. | SURF. | FND    | FND    | AFT    | AFT    | (STR)  | (STR)  | (STR)  |
|       |      |      | 4.00  | 5.00  | 6.08  | AIRTMP | AIRTMP | AIRTMP | AIRTMP | TEMP   | TEMP   | TEMP   |
|       |      |      | DEG.C | DEG.C | DEG.C | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  |
| 327   | 140  | 19   | 43    | 44    | 44    | 83     | 45     | 118    | 52     | 65     | 81     | 63     |
| 328   | 140  | 48   | 43    | 44    | 44    | 82     | 45     | 119    | 51     | 65     | 80     | 63     |



MM-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-28<br>ENG.2<br>ACCESS<br>G-BOX<br>(F. FR)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------------|
| 32                    | 32                   | 22                   | 48                                                           |
| 33                    | 32                   | 43                   | 48                                                           |
| 34                    | 33                   | 3                    | 48                                                           |
| 35                    | 34                   | 56                   | 48                                                           |
| 36                    | 35                   | 21                   | 48                                                           |
| 37                    | 37                   | 45                   | 48                                                           |
| 38                    | 38                   | 6                    | 47                                                           |
| 39                    | 38                   | 27                   | 46                                                           |
| 40                    | 38                   | 49                   | 46                                                           |
| 41                    | 39                   | 10                   | 46                                                           |
| 42                    | 39                   | 32                   | 46                                                           |
| 43                    | 39                   | 53                   | 47                                                           |
| 44                    | 40                   | 15                   | 46                                                           |
| 45                    | 40                   | 36                   | 46                                                           |
| 46                    | 40                   | 58                   | 47                                                           |
| 47                    | 41                   | 19                   | 46                                                           |
| 48                    | 41                   | 41                   | 47                                                           |
| 49                    | 42                   | 2                    | 46                                                           |
| 50                    | 42                   | 24                   | 46                                                           |
| 51                    | 42                   | 45                   | 46                                                           |
| 52                    | 43                   | 7                    | 47                                                           |
| 53                    | 43                   | 20                   | 46                                                           |
| 54                    | 43                   | 49                   | 46                                                           |
| 55                    | 44                   | 11                   | 46                                                           |
| 56                    | 44                   | 32                   | 47                                                           |
| 57                    | 44                   | 54                   | 46                                                           |
| 58                    | 45                   | 15                   | 46                                                           |
| 59                    | 45                   | 37                   | 47                                                           |
| 60                    | 45                   | 59                   | 49                                                           |
| 61                    | 46                   | 20                   | 49                                                           |
| 62                    | 46                   | 41                   | 49                                                           |
| 63                    | 47                   | 25                   | 50                                                           |
| 64                    | 47                   | 44                   | 49                                                           |
| 65                    | 47                   | 5                    | 50                                                           |
| 66                    | 48                   | 26                   | 49                                                           |
| 67                    | 48                   | 48                   | 50                                                           |
| 68                    | 48                   | 49                   | 49                                                           |
| 69                    | 49                   | 30                   | 56                                                           |
| 70                    | 49                   | 51                   | 50                                                           |
| 71                    | 49                   | 1                    | 50                                                           |
| 72                    | 50                   | 33                   | 50                                                           |
| 73                    | 50                   | 54                   | 50                                                           |
| 74                    | 50                   | 15                   | 51                                                           |
| 75                    | 51                   | 36                   | 50                                                           |
| 76                    | 51                   |                      | 50                                                           |

| -B1<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-03<br>ENG.2<br>ACCESS<br>3-BOX<br>(F ER)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|
| 77                    | 51                   | 37                   | 50                                                          |
| 78                    | 52                   | 10                   | 50                                                          |
| 79                    | 52                   | 39                   | 50                                                          |
| 80                    | 53                   | 1                    | 49                                                          |
| 81                    | 53                   | 22                   | 49                                                          |
| 82                    | 53                   | 43                   | 52                                                          |
| 83                    | 54                   | 4                    | 50                                                          |
| 84                    | 54                   | 4                    | 51                                                          |
| 85                    | 54                   | 46                   | 53                                                          |
| 86                    | 55                   | 8                    | 54                                                          |
| 87                    | 55                   | 26                   | 56                                                          |
| 88                    | 55                   | 50                   | 56                                                          |
| 89                    | 56                   | 11                   | 59                                                          |
| 90                    | 56                   | 32                   | 61                                                          |
| 91                    | 56                   | 33                   | 62                                                          |
| 92                    | 57                   | 14                   | 64                                                          |
| 93                    | 57                   | 35                   | 66                                                          |
| 94                    | 57                   | 56                   | 67                                                          |
| 95                    | 58                   | 17                   | 70                                                          |
| 96                    | 58                   | 38                   | 70                                                          |
| 97                    | 58                   | 59                   | 72                                                          |
| 98                    | 59                   | 19                   | 71                                                          |
| 99                    | 59                   | 40                   | 73                                                          |
| 100                   | 60                   | 1                    | 74                                                          |
| 101                   | 60                   | 22                   | 75                                                          |
| 102                   | 60                   | 43                   | 76                                                          |
| 103                   | 61                   | 4                    | 76                                                          |
| 104                   | 61                   | 26                   | 77                                                          |
| 105                   | 61                   | 47                   | 77                                                          |
| 106                   | 62                   | 8                    | 78                                                          |
| 107                   | 62                   | 29                   | 78                                                          |
| 108                   | 62                   | 51                   | 78                                                          |
| 109                   | 63                   | 12                   | 81                                                          |
| 110                   | 63                   | 33                   | 80                                                          |
| 111                   | 63                   | 54                   | 81                                                          |
| 112                   | 64                   | 15                   | 82                                                          |
| 113                   | 64                   | 37                   | 8                                                           |
| 114                   | 64                   | 58                   | 83                                                          |
| 115                   | 65                   | 19                   | 83                                                          |
| 116                   | 65                   | 4                    | 84                                                          |
| 117                   | 66                   | 2                    | 84                                                          |
| 118                   | 66                   | 23                   | 85                                                          |
| 119                   | 66                   | 44                   | 83                                                          |
| 120                   | 67                   | 6                    | 85                                                          |
| 121                   | 67                   | 27                   | 85                                                          |
| 122                   | 67                   | 48                   | 85                                                          |
| 123                   | 67                   | 7                    | 85                                                          |
| 124                   | 68                   | 31                   | 85                                                          |
| 125                   | 68                   | 52                   | 86                                                          |
| 126                   | 69                   | 13                   | 86                                                          |

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| -01<br>SHEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-20<br>ENG-2<br>ACCESS<br>3. BOX<br>(F. FR)<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------------|
| 127                   | 69                   | 35                   | 118                                                            |
| 128                   | 69                   | 55                   | 89                                                             |
| 129                   | 70                   | 17                   | 89                                                             |
| 130                   | 70                   | 36                   | 91                                                             |
| 131                   | 71                   | 0                    | *                                                              |
| 132                   | 71                   | 21                   | 92                                                             |
| 133                   | 71                   | 42                   | 93                                                             |
| 134                   | 72                   | 3                    | 92                                                             |
| 135                   | 72                   | 25                   | 93                                                             |
| 136                   | 72                   | 46                   | 93                                                             |
| 137                   | 73                   | 7                    | 94                                                             |
| 138                   | 73                   | 28                   | 94                                                             |
| 139                   | 73                   | 50                   | 94                                                             |
| 140                   | 74                   | 11                   | 95                                                             |
| 141                   | *                    | *                    | *                                                              |
| 142                   | 74                   | 53                   | 95                                                             |
| 143                   | 75                   | 15                   | 96                                                             |
| 144                   | 75                   | 36                   | 96                                                             |
| 145                   | 75                   | 57                   | 96                                                             |
| 146                   | 76                   | 10                   | 96                                                             |
| 147                   | 76                   | 40                   | 96                                                             |
| 148                   | 77                   | 1                    | 96                                                             |
| 149                   | *                    | 19                   | 96                                                             |
| 150                   | 77                   | 43                   | 97                                                             |
| 151                   | 78                   | 5                    | 97                                                             |
| 152                   | 78                   | 26                   | 98                                                             |
| 153                   | *                    | *                    | 97                                                             |
| 154                   | 79                   | 8                    | 98                                                             |
| 155                   | 79                   | 30                   | 99                                                             |
| 156                   | 79                   | 51                   | 98                                                             |
| 157                   | 80                   | 12                   | 99                                                             |
| 158                   | 80                   | 33                   | 98                                                             |
| 159                   | 80                   | 55                   | 98                                                             |
| 160                   | 81                   | 16                   | 91                                                             |
| 161                   | *                    | 35                   | 91                                                             |
| 162                   | 81                   | 59                   | 91                                                             |
| 163                   | 82                   | 20                   | 91                                                             |
| 164                   | 82                   | 42                   | 91                                                             |
| 165                   | 83                   | 3                    | 91                                                             |
| 166                   | 83                   | 24                   | 92                                                             |
| 167                   | 83                   | 45                   | 92                                                             |
| 168                   | 84                   | 7                    | 100                                                            |
| 169                   | 84                   | 29                   | 101                                                            |
| 170                   | 84                   | 50                   | 101                                                            |
| 171                   | 85                   | 11                   | 101                                                            |
| 172                   | 85                   | 32                   | 103                                                            |
| 173                   | 85                   | 54                   | 103                                                            |
| 174                   | *                    | 12                   | 103                                                            |
| 175                   | 86                   | 36                   | 103                                                            |
| 176                   | 86                   | 58                   | 105                                                            |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-26<br>ENS-2<br>ACCESS<br>S.BOX<br>(F FR)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|
| 177                   | 07                   | 19                   | 105                                                         |
| 178                   | 07                   | 41                   | 106                                                         |
| 179                   | 08                   | 2                    | 106                                                         |
| 180                   | 08                   | 23                   | 106                                                         |
| 181                   | 08                   | 45                   | 108                                                         |
| 182                   | 09                   | 6                    | 107                                                         |
| 183                   | 09                   | 28                   | 108                                                         |
| 184                   | 09                   | 49                   | 105                                                         |
| 185                   | 09                   | 10                   | 105                                                         |
| 186                   | 09                   | 31                   | 99                                                          |
| 187                   | 09                   | 53                   | 96                                                          |
| 188                   | 09                   | 14                   | 93                                                          |
| 189                   | 09                   | 35                   | 90                                                          |
| 190                   | 09                   | 56                   | 88                                                          |
| 191                   | 09                   | 17                   | 85                                                          |
| 192                   | 09                   | 38                   | 84                                                          |
| 193                   | 09                   | 59                   | 82                                                          |
| 194                   | 09                   | 20                   | 82                                                          |
| 195                   | 09                   | 41                   | 82                                                          |
| 196                   | 09                   | 2                    | 81                                                          |
| 197                   | 09                   | 23                   | 82                                                          |
| 198                   | 09                   | 45                   | 85                                                          |
| 199                   | 09                   | 6                    | 86                                                          |
| 200                   | 09                   | 27                   | 88                                                          |
| 201                   | 09                   | 49                   | 89                                                          |
| 202                   | 09                   | 10                   | 91                                                          |
| 203                   | 09                   | 31                   | 91                                                          |
| 204                   | 09                   | 53                   | 92                                                          |
| 205                   | 09                   | 14                   | 93                                                          |
| 206                   | 09                   | 35                   | 93                                                          |
| 207                   | 09                   | 57                   | 95                                                          |
| 208                   | 09                   | 18                   | 96                                                          |
| 209                   | 09                   | 39                   | 96                                                          |
| 210                   | 09                   | 1                    | 96                                                          |
| 211                   | 09                   | 22                   | 97                                                          |
| 212                   | 09                   | 43                   | 97                                                          |
| 213                   | 100                  | 5                    | 98                                                          |
| 214                   | 100                  | 26                   | 96                                                          |
| 215                   | 100                  | 47                   | 98                                                          |
| 216                   | 101                  | 8                    | 98                                                          |
| 217                   | 101                  | 30                   | 98                                                          |
| 218                   | 101                  | 51                   | 98                                                          |
| 219                   | 102                  | 13                   | 98                                                          |
| 220                   | 102                  | 34                   | 98                                                          |
| 221                   | 102                  | 55                   | 98                                                          |
| 222                   | 103                  | 17                   | 98                                                          |
| 223                   | 103                  | 38                   | 98                                                          |
| 224                   | 104                  | 0                    | 98                                                          |
| 225                   | 104                  | 21                   | 98                                                          |
| 226                   | 104                  | 42                   | 98                                                          |

| -81<br>SWEET<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-26<br>ENG-2<br>ACCESS<br>G.BOX<br>(F FR)<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|
| 227                   | 185                  | 4                    | 98                                                          |
| 228                   | 185                  | 25                   | 99                                                          |
| 229                   | 185                  | 46                   | 98                                                          |
| 230                   | 186                  | 8                    | 99                                                          |
| 231                   | 186                  | 29                   | 99                                                          |
| 232                   | 186                  | 50                   | 99                                                          |
| 233                   | 187                  | 12                   | 98                                                          |
| 234                   | 187                  | 33                   | 98                                                          |
| 235                   | 187                  | 54                   | 98                                                          |
| 236                   | 188                  | 16                   | 100                                                         |
| 237                   | 188                  | 37                   | 101                                                         |
| 238                   | 188                  | 58                   | 101                                                         |
| 239                   | 189                  | 20                   | 101                                                         |
| 240                   | 189                  | 41                   | 101                                                         |
| 241                   | 190                  | 2                    | 101                                                         |
| 242                   | 190                  | 24                   | 101                                                         |
| 243                   | 190                  | 45                   | 101                                                         |
| 244                   | 191                  | 6                    | 101                                                         |
| 245                   | 191                  | 29                   | 100                                                         |
| 246                   | 191                  | 49                   | 101                                                         |
| 247                   | 192                  | 11                   | 100                                                         |
| 248                   | 192                  | 32                   | 100                                                         |
| 249                   | 192                  | 53                   | 101                                                         |
| 250                   | 193                  | 15                   | 101                                                         |
| 251                   | 193                  | 36                   | 100                                                         |
| 252                   | 193                  | 57                   | 100                                                         |
| 253                   | 194                  | 18                   | 98                                                          |
| 254                   | 194                  | 39                   | 98                                                          |
| 255                   | 195                  | 0                    | 97                                                          |
| 256                   | 195                  | 21                   | 95                                                          |
| 257                   | 195                  | 42                   | 92                                                          |
| 258                   | 196                  | 3                    | 90                                                          |
| 259                   | 196                  | 25                   | 87                                                          |
| 260                   | 196                  | 46                   | 86                                                          |
| 261                   | 197                  | 7                    | 86                                                          |
| 262                   | 197                  | 28                   | 85                                                          |
| 263                   | 197                  | 49                   | 84                                                          |
| 264                   | 198                  | 10                   | 82                                                          |
| 265                   | 198                  | 31                   | 82                                                          |
| 266                   | 198                  | 52                   | 79                                                          |
| 267                   | 199                  | 13                   | 78                                                          |
| 268                   | 199                  | 34                   | 77                                                          |
| 269                   | 199                  | 55                   | 76                                                          |
| 270                   | 200                  | 16                   | 74                                                          |
| 271                   | 200                  | 37                   | 74                                                          |
| 272                   | 200                  | 58                   | 73                                                          |
| 273                   | 201                  | 19                   | 72                                                          |
| 274                   | 201                  | 40                   | 73                                                          |
| 275                   | 202                  | 1                    | 72                                                          |
| 276                   | 202                  | 22                   | 72                                                          |

| -01<br>SWEEP<br>COUNT | 6-02<br>TIME<br>MIN. | 6-03<br>TIME<br>SEC. | 6-28<br>ENG. 2<br>ACCESS<br>G. BOX<br>(F. FR)<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------------|
| 277                   | 122                  | 43                   | 72                                                              |
| 278                   | 123                  | 4                    | 72                                                              |
| 279                   | 123                  | 25                   | 73                                                              |
| 280                   | 123                  | 47                   | 74                                                              |
| 281                   | 124                  | 0                    | 74                                                              |
| 282                   | 124                  | 29                   | 73                                                              |
| 283                   | 124                  | 50                   | 73                                                              |
| 284                   | 125                  | 11                   | 73                                                              |
| 285                   | 125                  | 32                   | 73                                                              |
| 286                   | 125                  | 53                   | 73                                                              |
| 287                   | 126                  | 14                   | 73                                                              |
| 288                   | 126                  | 35                   | 72                                                              |
| 289                   | 126                  | 56                   | 73                                                              |
| 290                   | 127                  | 17                   | 72                                                              |
| 291                   | 127                  | 37                   | 72                                                              |
| 292                   | 127                  | 59                   | 72                                                              |
| 293                   | 128                  | 20                   | 75                                                              |
| 294                   | 128                  | 40                   | 76                                                              |
| 295                   | 129                  | 1                    | 74                                                              |
| 296                   | 129                  | 22                   | 74                                                              |
| 297                   | 129                  | 43                   | 74                                                              |
| 298                   | 130                  | 4                    | 74                                                              |
| 299                   | 130                  | 26                   | 73                                                              |
| 300                   | 130                  | 47                   | 73                                                              |
| 301                   | 131                  | 0                    | 73                                                              |
| 302                   | 131                  | 29                   | 73                                                              |
| 303                   | 131                  | 50                   | 73                                                              |
| 304                   | 132                  | 11                   | 74                                                              |
| 305                   | 132                  | 32                   | 75                                                              |
| 306                   | 132                  | 53                   | 78                                                              |
| 307                   | 133                  | 15                   | 80                                                              |
| 308                   | 133                  | 36                   | 82                                                              |
| 309                   | 133                  | 57                   | 82                                                              |
| 310                   | 134                  | 18                   | 82                                                              |
| 311                   | 134                  | 40                   | 85                                                              |
| 312                   | 135                  | 1                    | 04                                                              |
| 313                   | 135                  | 22                   | 05                                                              |
| 314                   | 135                  | 43                   | 05                                                              |
| 315                   | 136                  | 4                    | 06                                                              |
| 316                   | 136                  | 25                   | 06                                                              |
| 317                   | 136                  | 47                   | 06                                                              |
| 318                   | 137                  | 8                    | 06                                                              |
| 319                   | 137                  | 29                   | 06                                                              |
| 320                   | 137                  | 50                   | 06                                                              |
| 321                   | 138                  | 11                   | 06                                                              |
| 322                   | 138                  | 34                   | 06                                                              |
| 323                   | 138                  | 55                   | 05                                                              |
| 324                   | 139                  | 16                   | 06                                                              |
| 325                   | 139                  | 37                   | 05                                                              |
| 326                   | 139                  | 58                   | 04                                                              |

6-28  
EN3-2  
ACCESS  
3-BOX  
(F FR)  
TEMP  
DEG.C

6-03  
TIME  
SEC.

6-02  
TIME  
MIN.

-01  
SWEEP  
COUNT

428

84  
83

19  
40

14.0  
14.8

327  
328

MM-53C S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITER<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>IMBO<br>OK.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITER<br>SKIN<br>OUTBO<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>6.00<br>DEG.C | 7-15<br>ENG.1<br>COMPRS<br>CSE<br>STG.4<br>8.00<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 32                    | 32                   | 24                   | 46                                                          | 47                                                        | 46                                                          | 46                                                        | 45                                                     | 45                                                     | 46                                                       | 45                                                       | 45                                                       | 47                                                       |
| 33                    | 32                   | 46                   | 46                                                          | 47                                                        | 46                                                          | 46                                                        | 46                                                     | 46                                                     | 46                                                       | 46                                                       | 45                                                       | 47                                                       |
| 34                    | 33                   | 7                    | 46                                                          | 47                                                        | 46                                                          | 46                                                        | 45                                                     | 45                                                     | 47                                                       | 46                                                       | 45                                                       | 47                                                       |
| 35                    | 35                   | 24                   | 43                                                          | 42                                                        | 42                                                          | 42                                                        | 46                                                     | 46                                                     | 46                                                       | 46                                                       | 46                                                       | 48                                                       |
| 36                    | 36                   | 9                    | 43                                                          | 44                                                        | 43                                                          | 42                                                        | 41                                                     | 41                                                     | 42                                                       | 42                                                       | 41                                                       | 42                                                       |
| 37                    | 37                   | 30                   | 43                                                          | 44                                                        | 43                                                          | 42                                                        | 41                                                     | 42                                                     | 42                                                       | 42                                                       | 42                                                       | 43                                                       |
| 38                    | 38                   | 30                   | 43                                                          | 44                                                        | 43                                                          | 42                                                        | 42                                                     | 43                                                     | 43                                                       | 43                                                       | 42                                                       | 44                                                       |
| 39                    | 39                   | 31                   | 44                                                          | 44                                                        | 43                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 44                                                       |
| 40                    | 39                   | 34                   | 44                                                          | 44                                                        | 43                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 44                                                       |
| 41                    | 39                   | 34                   | 44                                                          | 44                                                        | 43                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 44                                                       |
| 42                    | 39                   | 36                   | 44                                                          | 44                                                        | 43                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 44                                                       |
| 43                    | 40                   | 17                   | 43                                                          | 44                                                        | 43                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 44                    | 40                   | 39                   | 43                                                          | 44                                                        | 43                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 45                    | 40                   | 0                    | 44                                                          | 43                                                        | 43                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 46                    | 41                   | 22                   | 44                                                          | 44                                                        | 42                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 47                    | 41                   | 43                   | 44                                                          | 44                                                        | 42                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 48                    | 41                   | 5                    | 44                                                          | 44                                                        | 42                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 49                    | 42                   | 26                   | 44                                                          | 44                                                        | 42                                                          | 42                                                        | 43                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 44                                                       |
| 50                    | 42                   | 48                   | 44                                                          | 44                                                        | 42                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 44                                                       |
| 51                    | 42                   | 9                    | 43                                                          | 43                                                        | 42                                                          | 42                                                        | 42                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 44                                                       |
| 52                    | 43                   | 30                   | 43                                                          | 43                                                        | 42                                                          | 42                                                        | 41                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 53                    | 43                   | 30                   | 43                                                          | 43                                                        | 42                                                          | 42                                                        | 43                                                     | 42                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 54                    | 43                   | 52                   | 43                                                          | 42                                                        | 42                                                          | 42                                                        | 42                                                     | 41                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 55                    | 44                   | 13                   | 43                                                          | 43                                                        | 42                                                          | 42                                                        | 40                                                     | 41                                                     | 43                                                       | 42                                                       | 42                                                       | 43                                                       |
| 56                    | 44                   | 35                   | 43                                                          | 42                                                        | 42                                                          | 42                                                        | 41                                                     | 43                                                     | 43                                                       | 43                                                       | 41                                                       | 43                                                       |
| 57                    | 44                   | 56                   | 43                                                          | 43                                                        | 42                                                          | 42                                                        | 41                                                     | 42                                                     | 42                                                       | 42                                                       | 41                                                       | 43                                                       |
| 58                    | 45                   | 16                   | 42                                                          | 43                                                        | 42                                                          | 41                                                        | 41                                                     | 41                                                     | 42                                                       | 42                                                       | 41                                                       | 42                                                       |
| 59                    | 45                   | 39                   | 43                                                          | 42                                                        | 41                                                          | 41                                                        | 42                                                     | 41                                                     | 42                                                       | 41                                                       | 41                                                       | 42                                                       |
| 60                    | 46                   | 1                    | 48                                                          | 48                                                        | 48                                                          | 48                                                        | 47                                                     | 47                                                     | 47                                                       | 47                                                       | 47                                                       | 48                                                       |
| 61                    | 46                   | 22                   | 48                                                          | 47                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 62                    | 46                   | 43                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 63                    | 47                   | 4                    | 48                                                          | 47                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 64                    | 47                   | 26                   | 48                                                          | 47                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 65                    | 47                   | 47                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 66                    | 48                   | 8                    | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 67                    | 48                   | 29                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 68                    | 48                   | 50                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 69                    | 49                   | 11                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 48                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 70                    | 49                   | 32                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 48                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 71                    | 49                   | 53                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 48                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 72                    | 50                   | 14                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 48                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 73                    | 50                   | 35                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 74                    | 50                   | 56                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 75                    | 51                   | 14                   | 48                                                          | 48                                                        | 47                                                          | 47                                                        | 47                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |
| 76                    | 51                   | 29                   | 49                                                          | 48                                                        | 47                                                          | 47                                                        | 48                                                     | 47                                                     | 48                                                       | 47                                                       | 47                                                       | 48                                                       |



22  
-01  
SWEEP  
COUNT

| 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBO<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPR<br>CSE<br>STG.2<br>CASE<br>TEMP<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>CASE<br>TEMP<br>DEG.C | 7-14<br>ENG.1<br>COMPR<br>CSE<br>STG.3<br>CASE<br>TEMP<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>CASE<br>TEMP<br>DEG.C |
|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| 77                   | 0                    | 48                                                         | 48                                                        | 47                                                         | 47                                                       | 47                                                     | 47                                                     | 46                                                              | 48                                                              | 48                                                              | 48                                                              |
| 78                   | 21                   | 48                                                         | 48                                                        | 47                                                         | 48                                                       | 48                                                     | 48                                                     | 48                                                              | 48                                                              | 47                                                              | 48                                                              |
| 79                   | 42                   | 48                                                         | 48                                                        | 47                                                         | 47                                                       | 48                                                     | 48                                                     | 48                                                              | 47                                                              | 47                                                              | 48                                                              |
| 80                   | 3                    | 48                                                         | 48                                                        | 47                                                         | 48                                                       | 48                                                     | 48                                                     | 48                                                              | 48                                                              | 47                                                              | 48                                                              |
| 81                   | 24                   | 48                                                         | 47                                                        | 47                                                         | 48                                                       | 48                                                     | 47                                                     | 48                                                              | 48                                                              | 47                                                              | 48                                                              |
| 82                   | 44                   | 48                                                         | 47                                                        | 47                                                         | 47                                                       | 47                                                     | 47                                                     | 48                                                              | 47                                                              | 47                                                              | 48                                                              |
| 83                   | 7                    | 48                                                         | 48                                                        | 46                                                         | 47                                                       | 47                                                     | 47                                                     | 48                                                              | 47                                                              | 47                                                              | 48                                                              |
| 84                   | 20                   | 48                                                         | 48                                                        | 47                                                         | 48                                                       | 47                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 47                                                              |
| 85                   | 49                   | 48                                                         | 48                                                        | 47                                                         | 48                                                       | 48                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 49                                                              |
| 86                   | 10                   | 48                                                         | 48                                                        | 47                                                         | 48                                                       | 47                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 48                                                              |
| 87                   | 31                   | 48                                                         | 48                                                        | 47                                                         | 47                                                       | 47                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 48                                                              |
| 88                   | 52                   | 48                                                         | 47                                                        | 47                                                         | 48                                                       | 48                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 48                                                              |
| 89                   | 13                   | 48                                                         | 47                                                        | 46                                                         | 47                                                       | 47                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 47                                                              |
| 90                   | 34                   | 48                                                         | 48                                                        | 47                                                         | 47                                                       | 47                                                     | 47                                                     | 47                                                              | 48                                                              | 47                                                              | 48                                                              |
| 91                   | 55                   | 48                                                         | 48                                                        | 47                                                         | 47                                                       | 47                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 48                                                              |
| 92                   | 16                   | 48                                                         | 48                                                        | 47                                                         | 48                                                       | 47                                                     | 47                                                     | 47                                                              | 47                                                              | 47                                                              | 48                                                              |
| 93                   | 37                   | 48                                                         | 48                                                        | 47                                                         | 48                                                       | 48                                                     | 48                                                     | 48                                                              | 47                                                              | 47                                                              | 48                                                              |
| 94                   | 58                   | 49                                                         | 49                                                        | 47                                                         | 47                                                       | 48                                                     | 48                                                     | 48                                                              | 48                                                              | 49                                                              | 48                                                              |
| 95                   | 19                   | 48                                                         | 48                                                        | 47                                                         | 47                                                       | 48                                                     | 49                                                     | 49                                                              | 49                                                              | 54                                                              | 54                                                              |
| 96                   | 40                   | 49                                                         | 48                                                        | 48                                                         | 47                                                       | 48                                                     | 51                                                     | 51                                                              | 54                                                              | 61                                                              | 61                                                              |
| 97                   | 1                    | 50                                                         | 50                                                        | 48                                                         | 47                                                       | 51                                                     | 54                                                     | 54                                                              | 78                                                              | 79                                                              | 75                                                              |
| 98                   | 22                   | 49                                                         | 49                                                        | 47                                                         | 46                                                       | 53                                                     | 55                                                     | 59                                                              | 92                                                              | 87                                                              | 84                                                              |
| 99                   | 43                   | 49                                                         | 49                                                        | 48                                                         | 48                                                       | 56                                                     | 54                                                     | 53                                                              | 92                                                              | 93                                                              | 93                                                              |
| 100                  | 4                    | 49                                                         | 49                                                        | 48                                                         | 48                                                       | 59                                                     | 54                                                     | 54                                                              | 100                                                             | 87                                                              | 87                                                              |
| 101                  | 25                   | 49                                                         | 49                                                        | 48                                                         | 47                                                       | 61                                                     | 54                                                     | 66                                                              | 101                                                             | 91                                                              | 92                                                              |
| 102                  | 46                   | 51                                                         | 49                                                        | 48                                                         | 48                                                       | 63                                                     | 55                                                     | 66                                                              | 104                                                             | 92                                                              | 95                                                              |
| 103                  | 4                    | 50                                                         | 49                                                        | 48                                                         | 48                                                       | 64                                                     | 54                                                     | 67                                                              | 105                                                             | 94                                                              | 94                                                              |
| 104                  | 28                   | 50                                                         | 49                                                        | 48                                                         | 48                                                       | 65                                                     | 55                                                     | 67                                                              | 106                                                             | 95                                                              | 95                                                              |
| 105                  | 49                   | 51                                                         | 50                                                        | 49                                                         | 48                                                       | 67                                                     | 55                                                     | 67                                                              | 107                                                             | 95                                                              | 95                                                              |
| 106                  | 11                   | 51                                                         | 50                                                        | 49                                                         | 48                                                       | 68                                                     | 54                                                     | 67                                                              | 108                                                             | 94                                                              | 95                                                              |
| 107                  | 32                   | 52                                                         | 52                                                        | 49                                                         | 48                                                       | 69                                                     | 54                                                     | 68                                                              | 109                                                             | 95                                                              | 95                                                              |
| 108                  | 53                   | 52                                                         | 52                                                        | 50                                                         | 49                                                       | 69                                                     | 54                                                     | 68                                                              | 110                                                             | 96                                                              | 96                                                              |
| 109                  | 14                   | 53                                                         | 53                                                        | 49                                                         | 48                                                       | 70                                                     | 54                                                     | 68                                                              | 111                                                             | 96                                                              | 96                                                              |
| 110                  | 36                   | 54                                                         | 55                                                        | 51                                                         | 49                                                       | 72                                                     | 53                                                     | 69                                                              | 112                                                             | 97                                                              | 97                                                              |
| 111                  | 57                   | 54                                                         | 54                                                        | 51                                                         | 53                                                       | 72                                                     | 53                                                     | 70                                                              | 113                                                             | 97                                                              | 99                                                              |
| 112                  | 18                   | 56                                                         | 55                                                        | 53                                                         | 59                                                       | 74                                                     | 55                                                     | 72                                                              | 114                                                             | 101                                                             | 104                                                             |
| 113                  | 39                   | 55                                                         | 55                                                        | 54                                                         | 61                                                       | 75                                                     | 55                                                     | 75                                                              | 115                                                             | 103                                                             | 103                                                             |
| 114                  | 1                    | 56                                                         | 57                                                        | 54                                                         | 55                                                       | 77                                                     | 55                                                     | 75                                                              | 116                                                             | 104                                                             | 105                                                             |
| 115                  | 22                   | 57                                                         | 57                                                        | 54                                                         | 53                                                       | 77                                                     | 56                                                     | 75                                                              | 117                                                             | 104                                                             | 105                                                             |
| 116                  | 43                   | 58                                                         | 59                                                        | 55                                                         | 53                                                       | 79                                                     | 56                                                     | 75                                                              | 118                                                             | 105                                                             | 105                                                             |
| 117                  | 4                    | 58                                                         | 59                                                        | 55                                                         | 49                                                       | 79                                                     | 56                                                     | 75                                                              | 119                                                             | 105                                                             | 105                                                             |
| 118                  | 26                   | 59                                                         | 59                                                        | 54                                                         | 49                                                       | 79                                                     | 56                                                     | 73                                                              | 120                                                             | 99                                                              | 98                                                              |
| 119                  | 47                   | 59                                                         | 59                                                        | 55                                                         | 48                                                       | 77                                                     | 56                                                     | 72                                                              | 121                                                             | 97                                                              | 98                                                              |
| 120                  | 8                    | 60                                                         | 60                                                        | 55                                                         | 48                                                       | 77                                                     | 53                                                     | 73                                                              | 122                                                             | 102                                                             | 107                                                             |
| 121                  | 30                   | 61                                                         | 60                                                        | 55                                                         | 49                                                       | 78                                                     | 51                                                     | 73                                                              | 123                                                             | 102                                                             | 107                                                             |
| 122                  | 51                   | 61                                                         | 60                                                        | 54                                                         | 50                                                       | 78                                                     | 51                                                     | 76                                                              | 124                                                             | 109                                                             | 116                                                             |
| 123                  | 12                   | 61                                                         | 61                                                        | 55                                                         | 49                                                       | 79                                                     | 49                                                     | 78                                                              | 125                                                             | 112                                                             | 120                                                             |
| 124                  | 33                   | 62                                                         | 61                                                        | 55                                                         | 48                                                       | 80                                                     | 49                                                     | 80                                                              | 126                                                             | 113                                                             | 124                                                             |
| 125                  | 55                   | 62                                                         | 61                                                        | 56                                                         | 49                                                       | 81                                                     | 49                                                     | 81                                                              | 127                                                             | 113                                                             | 125                                                             |
| 126                  | 16                   | 63                                                         | 63                                                        | 57                                                         | 53                                                       | 83                                                     | 48                                                     | 82                                                              | 128                                                             | 115                                                             | 126                                                             |
|                      |                      |                                                            |                                                           |                                                            |                                                          |                                                        |                                                        |                                                                 | 129                                                             | 116                                                             | 129                                                             |

| -01<br>SWEET<br>COUNTY | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>IMBD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTROL<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPRS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPRS<br>CSE<br>STG.2<br>4.38<br>DEG.C | 7-16<br>ENG.1<br>COMPRS<br>CSE<br>STG.3<br>6.00<br>DEG.C | 7-15<br>ENG.1<br>COMPRS<br>CSE<br>STG.4<br>3.00<br>DEG.C |
|------------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 127                    | 69                   | 37                   | 64                                                         | 64                                                        | 57                                                         | 51                                                | 84                                                     | 40                                                     | 63                                                       | 155                                                      | 116                                                      | 129                                                      |
| 128                    | 69                   | 58                   | 64                                                         | 68                                                        | 57                                                         | 53                                                | 85                                                     | 40                                                     | 84                                                       | 156                                                      | 117                                                      | 130                                                      |
| 129                    | 70                   | 20                   | 65                                                         | 64                                                        | 58                                                         | 53                                                | 85                                                     | 40                                                     | 84                                                       | 157                                                      | 118                                                      | 131                                                      |
| 130                    | 70                   | 41                   | 65                                                         | 65                                                        | 58                                                         | 52                                                | 87                                                     | 40                                                     | 85                                                       | 159                                                      | 117                                                      | 131                                                      |
| 131                    | *                    | *                    | 66                                                         | 65                                                        | 58                                                         | 50                                                | 87                                                     | 40                                                     | 84                                                       | 158                                                      | 116                                                      | 130                                                      |
| 132                    | 71                   | 23                   | 66                                                         | 66                                                        | 58                                                         | 51                                                | 87                                                     | 40                                                     | 84                                                       | 157                                                      | 117                                                      | 130                                                      |
| 133                    | 71                   | 45                   | 67                                                         | 67                                                        | 58                                                         | 50                                                | 87                                                     | 40                                                     | 85                                                       | 157                                                      | 117                                                      | 130                                                      |
| 134                    | 71                   | 65                   | 68                                                         | 67                                                        | 59                                                         | 51                                                | 87                                                     | 40                                                     | 84                                                       | 157                                                      | 116                                                      | 129                                                      |
| 135                    | 72                   | 6                    | 68                                                         | 67                                                        | 59                                                         | 52                                                | 89                                                     | 40                                                     | 84                                                       | 157                                                      | 117                                                      | 131                                                      |
| 136                    | 72                   | 27                   | 68                                                         | 68                                                        | 60                                                         | 52                                                | 88                                                     | 40                                                     | 85                                                       | 158                                                      | *                                                        | *                                                        |
| 137                    | 72                   | 48                   | 68                                                         | 68                                                        | 60                                                         | 51                                                | 88                                                     | 40                                                     | 85                                                       | 158                                                      | 117                                                      | 131                                                      |
| 138                    | 73                   | 10                   | 68                                                         | 69                                                        | 60                                                         | 50                                                | 88                                                     | 40                                                     | 85                                                       | 158                                                      | 117                                                      | 129                                                      |
| 139                    | 73                   | 31                   | 69                                                         | 69                                                        | 62                                                         | 54                                                | 88                                                     | 40                                                     | 86                                                       | 158                                                      | 110                                                      | 130                                                      |
| 140                    | 73                   | 52                   | 70                                                         | 70                                                        | 61                                                         | 51                                                | 90                                                     | 40                                                     | 86                                                       | 159                                                      | 119                                                      | 132                                                      |
| 141                    | 74                   | 13                   | 70                                                         | 70                                                        | 62                                                         | 51                                                | 90                                                     | 40                                                     | 87                                                       | 160                                                      | 120                                                      | 132                                                      |
| 142                    | *                    | *                    | *                                                          | *                                                         | *                                                          | *                                                 | *                                                      | *                                                      | *                                                        | *                                                        | *                                                        | *                                                        |
| 143                    | 74                   | 56                   | 71                                                         | 71                                                        | 63                                                         | 52                                                | 89                                                     | 40                                                     | 85                                                       | 158                                                      | 116                                                      | 129                                                      |
| 144                    | 75                   | 17                   | 71                                                         | 73                                                        | 63                                                         | 50                                                | 89                                                     | 40                                                     | 85                                                       | 157                                                      | 117                                                      | 129                                                      |
| 145                    | 75                   | 38                   | 72                                                         | 73                                                        | 63                                                         | 51                                                | 89                                                     | 40                                                     | 85                                                       | 156                                                      | 116                                                      | 129                                                      |
| 146                    | 76                   | 0                    | 72                                                         | 73                                                        | 64                                                         | 51                                                | 90                                                     | 40                                                     | 86                                                       | 156                                                      | 117                                                      | 131                                                      |
| 147                    | *                    | *                    | 73                                                         | 73                                                        | 64                                                         | 51                                                | 89                                                     | 40                                                     | 86                                                       | 159                                                      | 117                                                      | 131                                                      |
| 148                    | 76                   | 42                   | 73                                                         | 74                                                        | 64                                                         | 52                                                | 90                                                     | 40                                                     | 85                                                       | 158                                                      | 118                                                      | 131                                                      |
| 149                    | 77                   | 3                    | 73                                                         | 74                                                        | 64                                                         | 53                                                | 90                                                     | 40                                                     | 86                                                       | 160                                                      | 118                                                      | 131                                                      |
| 150                    | 77                   | 25                   | 74                                                         | 75                                                        | 64                                                         | 54                                                | 90                                                     | 40                                                     | 86                                                       | 161                                                      | 119                                                      | 132                                                      |
| 151                    | 77                   | 46                   | 74                                                         | *                                                         | *                                                          | *                                                 | *                                                      | 48                                                     | 87                                                       | 160                                                      | 119                                                      | 132                                                      |
| 152                    | 78                   | 7                    | 74                                                         | 75                                                        | 65                                                         | 53                                                | 92                                                     | 40                                                     | 87                                                       | 161                                                      | 121                                                      | 134                                                      |
| 153                    | 78                   | 28                   | 74                                                         | 75                                                        | 65                                                         | 52                                                | 92                                                     | 40                                                     | 87                                                       | 161                                                      | 118                                                      | 132                                                      |
| 154                    | 79                   | 50                   | 74                                                         | 76                                                        | 65                                                         | 51                                                | 92                                                     | 40                                                     | 87                                                       | 150                                                      | 117                                                      | 131                                                      |
| 155                    | 79                   | 11                   | 75                                                         | 77                                                        | 65                                                         | *                                                 | *                                                      | 48                                                     | *                                                        | 156                                                      | 117                                                      | 130                                                      |
| 156                    | 79                   | 32                   | 77                                                         | 78                                                        | 66                                                         | 51                                                | 93                                                     | 40                                                     | 80                                                       | 157                                                      | 121                                                      | 133                                                      |
| 157                    | 80                   | 15                   | 77                                                         | 78                                                        | 66                                                         | 50                                                | 93                                                     | 40                                                     | 87                                                       | 157                                                      | 117                                                      | 131                                                      |
| 158                    | 80                   | 36                   | 77                                                         | 78                                                        | 66                                                         | 51                                                | 92                                                     | 40                                                     | 87                                                       | 157                                                      | 118                                                      | 131                                                      |
| 159                    | 80                   | 57                   | 78                                                         | 78                                                        | 67                                                         | 50                                                | 94                                                     | 40                                                     | 87                                                       | 157                                                      | 117                                                      | 132                                                      |
| 160                    | 81                   | 18                   | 78                                                         | 79                                                        | 67                                                         | 50                                                | 92                                                     | 40                                                     | 87                                                       | 157                                                      | 116                                                      | 130                                                      |
| 161                    | 81                   | 40                   | 78                                                         | 79                                                        | 67                                                         | 50                                                | 92                                                     | 40                                                     | 87                                                       | 155                                                      | 117                                                      | 130                                                      |
| 162                    | 82                   | 1                    | 77                                                         | 79                                                        | 67                                                         | 50                                                | 92                                                     | 40                                                     | 86                                                       | 154                                                      | 117                                                      | 130                                                      |
| 163                    | 82                   | 23                   | 79                                                         | 80                                                        | 68                                                         | 53                                                | 92                                                     | 40                                                     | 87                                                       | 155                                                      | 119                                                      | 131                                                      |
| 164                    | 82                   | 44                   | 79                                                         | 80                                                        | 68                                                         | 55                                                | 92                                                     | 40                                                     | 88                                                       | 159                                                      | 123                                                      | 134                                                      |
| 165                    | 83                   | 5                    | 79                                                         | 80                                                        | 68                                                         | 52                                                | 93                                                     | 40                                                     | 88                                                       | 160                                                      | 122                                                      | 134                                                      |
| 166                    | 83                   | 27                   | 79                                                         | 80                                                        | 68                                                         | 51                                                | 94                                                     | 40                                                     | 88                                                       | 161                                                      | 120                                                      | 132                                                      |
| 167                    | 83                   | 44                   | 79                                                         | 80                                                        | 68                                                         | 51                                                | 94                                                     | 40                                                     | 88                                                       | 159                                                      | 118                                                      | 131                                                      |
| 168                    | 84                   | 64                   | 79                                                         | 80                                                        | 69                                                         | 51                                                | 93                                                     | 40                                                     | 87                                                       | 159                                                      | 122                                                      | 134                                                      |
| 169                    | 84                   | 31                   | 79                                                         | 81                                                        | 69                                                         | 52                                                | 92                                                     | 40                                                     | 87                                                       | 161                                                      | 122                                                      | 134                                                      |
| 170                    | 84                   | 52                   | 80                                                         | 82                                                        | 70                                                         | 61                                                | 96                                                     | 40                                                     | 92                                                       | 166                                                      | 130                                                      | 146                                                      |
| 171                    | 85                   | 13                   | 80                                                         | 82                                                        | 71                                                         | 64                                                | 97                                                     | 40                                                     | 94                                                       | 169                                                      | 131                                                      | 143                                                      |
| 172                    | 85                   | 35                   | 81                                                         | 83                                                        | 71                                                         | 63                                                | 99                                                     | 50                                                     | 96                                                       | 172                                                      | 133                                                      | 145                                                      |
| 173                    | 85                   | 56                   | 81                                                         | 83                                                        | 72                                                         | 64                                                | 100                                                    | 49                                                     | 96                                                       | 172                                                      | 130                                                      | 144                                                      |
| 174                    | 86                   | 17                   | 82                                                         | 84                                                        | 72                                                         | 64                                                | 101                                                    | 49                                                     | 96                                                       | 172                                                      | 131                                                      | 145                                                      |
| 175                    | *                    | *                    | 82                                                         | 84                                                        | 72                                                         | 64                                                | 101                                                    | 48                                                     | 96                                                       | 172                                                      | 132                                                      | 145                                                      |
| 176                    | 87                   | 0                    | 84                                                         | 84                                                        | 73                                                         | 64                                                | 102                                                    | 48                                                     | 97                                                       | 173                                                      | 131                                                      | 145                                                      |
|                        |                      |                      | 84                                                         | 85                                                        | 73                                                         | 64                                                | 103                                                    | 49                                                     | 96                                                       | 172                                                      | 131                                                      | 145                                                      |

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG. 1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG. 1<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 7-07<br>ENG. 1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 7-08<br>ENG. 1<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG. 1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG. 1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG. 1<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 7-13<br>ENG. 1<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 7-14<br>ENG. 1<br>COMPR<br>CSE<br>STG.3<br>6.00<br>DEG.C | 7-15<br>ENG. 1<br>COMPR<br>CSE<br>STG.4<br>8.00<br>DEG.C |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 177                   | 87                   | 22                   | 84                                                          | 85                                                         | 73                                                          | 65                                                         | 183                                                     | 49                                                      | 97                                                       | 172                                                      | 133                                                      | 185                                                      |
| 178                   | 87                   | 43                   | 84                                                          | 86                                                         | 73                                                          | 65                                                         | 183                                                     | 49                                                      | 97                                                       | 173                                                      | 132                                                      | 185                                                      |
| 179                   | 88                   | 5                    | 85                                                          | 87                                                         | 74                                                          | 64                                                         | 184                                                     | 50                                                      | 98                                                       | 174                                                      | 132                                                      | 185                                                      |
| 180                   | 88                   | 26                   | 85                                                          | 87                                                         | 74                                                          | 65                                                         | 184                                                     | 49                                                      | 98                                                       | 174                                                      | 131                                                      | 185                                                      |
| 181                   | 88                   | 47                   | 86                                                          | 87                                                         | 74                                                          | 64                                                         | 184                                                     | 50                                                      | 96                                                       | 172                                                      | 131                                                      | 184                                                      |
| 182                   | 89                   | 9                    | 86                                                          | 88                                                         | 75                                                          | 63                                                         | 184                                                     | 49                                                      | 97                                                       | 172                                                      | 130                                                      | 184                                                      |
| 183                   | 89                   | 30                   | 87                                                          | 88                                                         | 75                                                          | 63                                                         | 183                                                     | 50                                                      | 97                                                       | 171                                                      | 126                                                      | 180                                                      |
| 184                   | 89                   | 51                   | 87                                                          | 89                                                         | 75                                                          | 64                                                         | 182                                                     | 49                                                      | 95                                                       | 165                                                      | 121                                                      | 178                                                      |
| 185                   | 90                   | 13                   | 87                                                          | 91                                                         | 75                                                          | 63                                                         | 180                                                     | 49                                                      | 91                                                       | 154                                                      | 121                                                      | 178                                                      |
| 186                   | 90                   | 34                   | 87                                                          | 89                                                         | 72                                                          | 62                                                         | 186                                                     | 49                                                      | 89                                                       | 147                                                      | 111                                                      | 176                                                      |
| 187                   | 90                   | 55                   | 87                                                          | 88                                                         | 70                                                          | 61                                                         | 182                                                     | 50                                                      | 87                                                       | 145                                                      | 109                                                      | 174                                                      |
| 188                   | 91                   | 16                   | 87                                                          | 87                                                         | 68                                                          | 60                                                         | 180                                                     | 50                                                      | 86                                                       | 145                                                      | 109                                                      | 174                                                      |
| 189                   | 91                   | 37                   | 87                                                          | 86                                                         | 67                                                          | 58                                                         | 186                                                     | 51                                                      | 84                                                       | 139                                                      | 101                                                      | 176                                                      |
| 190                   | 91                   | 58                   | 87                                                          | 84                                                         | 66                                                          | 58                                                         | 186                                                     | 51                                                      | 82                                                       | 136                                                      | 100                                                      | 175                                                      |
| 191                   | 92                   | 19                   | 88                                                          | 83                                                         | 64                                                          | 58                                                         | 182                                                     | 51                                                      | 80                                                       | 132                                                      | 99                                                       | 175                                                      |
| 192                   | 92                   | 40                   | 88                                                          | 82                                                         | 64                                                          | 59                                                         | 180                                                     | 51                                                      | 80                                                       | 131                                                      | 99                                                       | 172                                                      |
| 193                   | 93                   | 1                    | 88                                                          | 82                                                         | 63                                                          | 58                                                         | 180                                                     | 51                                                      | 79                                                       | 131                                                      | 98                                                       | 170                                                      |
| 194                   | 93                   | 22                   | 88                                                          | 82                                                         | 66                                                          | 49                                                         | 180                                                     | 52                                                      | 78                                                       | 131                                                      | 98                                                       | 170                                                      |
| 195                   | 93                   | 43                   | 88                                                          | 81                                                         | 67                                                          | 48                                                         | 179                                                     | 51                                                      | 78                                                       | 129                                                      | 98                                                       | 170                                                      |
| 196                   | 94                   | 5                    | 88                                                          | 81                                                         | 67                                                          | 49                                                         | 179                                                     | 52                                                      | 79                                                       | 129                                                      | 100                                                      | 172                                                      |
| 197                   | 94                   | 26                   | 89                                                          | 80                                                         | 68                                                          | 48                                                         | 179                                                     | 52                                                      | 79                                                       | 129                                                      | 104                                                      | 173                                                      |
| 198                   | 94                   | 47                   | 89                                                          | 81                                                         | 69                                                          | 48                                                         | 181                                                     | 48                                                      | 79                                                       | 129                                                      | 112                                                      | 172                                                      |
| 199                   | 95                   | 8                    | 89                                                          | 80                                                         | 69                                                          | 48                                                         | 182                                                     | 48                                                      | 82                                                       | 144                                                      | 116                                                      | 170                                                      |
| 200                   | 95                   | 30                   | 89                                                          | 81                                                         | 69                                                          | 49                                                         | 184                                                     | 49                                                      | 86                                                       | 152                                                      | 119                                                      | 170                                                      |
| 201                   | 95                   | 51                   | 89                                                          | 82                                                         | 70                                                          | 50                                                         | 184                                                     | 49                                                      | 86                                                       | 156                                                      | 119                                                      | 170                                                      |
| 202                   | 95                   | 12                   | 89                                                          | 82                                                         | 71                                                          | 49                                                         | 184                                                     | 48                                                      | 86                                                       | 156                                                      | 119                                                      | 170                                                      |
| 203                   | 96                   | 24                   | 89                                                          | 82                                                         | 70                                                          | 50                                                         | 184                                                     | 48                                                      | 86                                                       | 156                                                      | 119                                                      | 170                                                      |
| 204                   | 96                   | 45                   | 89                                                          | 82                                                         | 70                                                          | 50                                                         | 184                                                     | 48                                                      | 86                                                       | 156                                                      | 119                                                      | 170                                                      |
| 205                   | 97                   | 17                   | 89                                                          | 82                                                         | 72                                                          | 50                                                         | 184                                                     | 48                                                      | 91                                                       | 161                                                      | 121                                                      | 172                                                      |
| 206                   | 97                   | 36                   | 89                                                          | 83                                                         | 72                                                          | 49                                                         | 184                                                     | 48                                                      | 90                                                       | 161                                                      | 120                                                      | 172                                                      |
| 207                   | 97                   | 59                   | 89                                                          | 84                                                         | 72                                                          | 49                                                         | 184                                                     | 48                                                      | 91                                                       | 161                                                      | 120                                                      | 172                                                      |
| 208                   | 98                   | 21                   | 89                                                          | 84                                                         | 71                                                          | 50                                                         | 184                                                     | 48                                                      | 91                                                       | 161                                                      | 121                                                      | 173                                                      |
| 209                   | 98                   | 42                   | 89                                                          | 84                                                         | 73                                                          | 50                                                         | 184                                                     | 48                                                      | 91                                                       | 161                                                      | 121                                                      | 173                                                      |
| 210                   | 99                   | 3                    | 89                                                          | 85                                                         | 72                                                          | 49                                                         | 184                                                     | 48                                                      | 91                                                       | 161                                                      | 120                                                      | 171                                                      |
| 211                   | 99                   | 24                   | 89                                                          | 86                                                         | 73                                                          | 49                                                         | 184                                                     | 48                                                      | 92                                                       | 163                                                      | 120                                                      | 171                                                      |
| 212                   | 99                   | 46                   | 89                                                          | 86                                                         | 73                                                          | 49                                                         | 184                                                     | 48                                                      | 92                                                       | 163                                                      | 119                                                      | 172                                                      |
| 213                   | 100                  | 7                    | 89                                                          | 85                                                         | 74                                                          | 49                                                         | 184                                                     | 48                                                      | 92                                                       | 162                                                      | 119                                                      | 172                                                      |
| 214                   | 100                  | 28                   | 89                                                          | 87                                                         | 74                                                          | 49                                                         | 184                                                     | 48                                                      | 92                                                       | 161                                                      | 119                                                      | 174                                                      |
| 215                   | 100                  | 50                   | 89                                                          | 87                                                         | 74                                                          | 49                                                         | 184                                                     | 48                                                      | 91                                                       | 161                                                      | 119                                                      | 173                                                      |
| 216                   | 101                  | 11                   | 89                                                          | 88                                                         | 73                                                          | 49                                                         | 184                                                     | 48                                                      | 90                                                       | 160                                                      | 119                                                      | 172                                                      |
| 217                   | 101                  | 32                   | 89                                                          | 87                                                         | 73                                                          | 48                                                         | 184                                                     | 48                                                      | 90                                                       | 160                                                      | 119                                                      | 172                                                      |
| 218                   | 101                  | 54                   | 89                                                          | 87                                                         | 74                                                          | 48                                                         | 184                                                     | 48                                                      | 90                                                       | 160                                                      | 116                                                      | 171                                                      |
| 219                   | 102                  | 15                   | 89                                                          | 88                                                         | 74                                                          | 48                                                         | 184                                                     | 48                                                      | 90                                                       | 161                                                      | 119                                                      | 172                                                      |
| 220                   | 102                  | 37                   | 89                                                          | 87                                                         | 74                                                          | 48                                                         | 184                                                     | 48                                                      | 91                                                       | 162                                                      | 119                                                      | 172                                                      |
| 221                   | 102                  | 58                   | 89                                                          | 88                                                         | 74                                                          | 49                                                         | 184                                                     | 48                                                      | 92                                                       | 163                                                      | 120                                                      | 172                                                      |
| 222                   | 103                  | 19                   | 89                                                          | 88                                                         | 75                                                          | 49                                                         | 184                                                     | 48                                                      | 92                                                       | 163                                                      | 120                                                      | 172                                                      |
| 223                   | 103                  | 41                   | 90                                                          | 89                                                         | 74                                                          | 49                                                         | 184                                                     | 48                                                      | 92                                                       | 163                                                      | 119                                                      | 173                                                      |
| 224                   | 104                  | 2                    | 90                                                          | 89                                                         | 74                                                          | 49                                                         | 184                                                     | 48                                                      | 91                                                       | 162                                                      | 118                                                      | 173                                                      |
| 225                   | 104                  | 24                   | 89                                                          | 89                                                         | 75                                                          | 50                                                         | 184                                                     | 48                                                      | 90                                                       | 160                                                      | 118                                                      | 172                                                      |
| 226                   | 104                  | 45                   | 89                                                          | 89                                                         | 75                                                          | 49                                                         | 184                                                     | 49                                                      | 90                                                       | 160                                                      | 120                                                      | 173                                                      |

| -81<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-09<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>IMSD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBO<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>COMPS<br>CSE<br>STG.2<br>4.38<br>DEG.C | 7-13<br>ENG.1<br>COMPS<br>CSE<br>STG.3<br>4.38<br>DEG.C | 7-14<br>ENG.1<br>COMPS<br>CSE<br>STG.3<br>6.08<br>DEG.C | 7-15<br>ENG.1<br>COMPS<br>CSE<br>STG.4<br>3.08<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 227                   | 185                  | 6                    | 69                                                         | 69                                                        | 76                                                         | 49                                                       | 93                                                     | 48                                                     | 91                                                      | 159                                                     | 121                                                     | 133                                                     |
| 228                   | 185                  | 27                   | 84                                                         | 89                                                        | 75                                                         | 49                                                       | 93                                                     | 48                                                     | 90                                                      | 158                                                     | 121                                                     | 133                                                     |
| 229                   | 185                  | 49                   | 89                                                         | 89                                                        | 76                                                         | 50                                                       | 93                                                     | 48                                                     | 89                                                      | 158                                                     | 121                                                     | 133                                                     |
| 230                   | 186                  | 10                   | 89                                                         | 89                                                        | 76                                                         | 50                                                       | 93                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 231                   | 186                  | 31                   | 89                                                         | 89                                                        | 76                                                         | 49                                                       | 93                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 232                   | 186                  | 53                   | 89                                                         | 89                                                        | 75                                                         | 50                                                       | 94                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 233                   | 186                  | 53                   | 89                                                         | 89                                                        | 75                                                         | 50                                                       | 94                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 234                   | 187                  | 14                   | 89                                                         | 89                                                        | 75                                                         | 50                                                       | 94                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 235                   | 187                  | 35                   | 89                                                         | 89                                                        | 76                                                         | 50                                                       | 94                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 236                   | 187                  | 57                   | 89                                                         | 89                                                        | 76                                                         | 49                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 237                   | 188                  | 18                   | 89                                                         | 89                                                        | 76                                                         | 50                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 238                   | 188                  | 40                   | 89                                                         | 89                                                        | 76                                                         | 51                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 121                                                     | 133                                                     |
| 239                   | 189                  | 1                    | 89                                                         | 89                                                        | 76                                                         | 51                                                       | 94                                                     | 49                                                     | 89                                                      | 156                                                     | 121                                                     | 134                                                     |
| 240                   | 189                  | 22                   | 89                                                         | 89                                                        | 76                                                         | 51                                                       | 94                                                     | 49                                                     | 89                                                      | 156                                                     | 121                                                     | 134                                                     |
| 241                   | 189                  | 44                   | 91                                                         | 90                                                        | 76                                                         | 50                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 120                                                     | 133                                                     |
| 242                   | 190                  | 5                    | 90                                                         | 90                                                        | 76                                                         | 50                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 120                                                     | 133                                                     |
| 243                   | 190                  | 26                   | 90                                                         | 91                                                        | 77                                                         | 50                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 120                                                     | 133                                                     |
| 244                   | 190                  | 48                   | 90                                                         | 90                                                        | 77                                                         | 50                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 120                                                     | 133                                                     |
| 245                   | 191                  | 9                    | 90                                                         | 90                                                        | 77                                                         | 50                                                       | 95                                                     | 48                                                     | 89                                                      | 157                                                     | 120                                                     | 133                                                     |
| 246                   | 191                  | 30                   | 91                                                         | 91                                                        | 78                                                         | 50                                                       | 94                                                     | 48                                                     | 89                                                      | 156                                                     | 120                                                     | 133                                                     |
| 247                   | 191                  | 52                   | 91                                                         | 92                                                        | 78                                                         | 49                                                       | 94                                                     | 48                                                     | 89                                                      | 156                                                     | 120                                                     | 133                                                     |
| 248                   | 192                  | 13                   | 90                                                         | 92                                                        | 77                                                         | 49                                                       | 93                                                     | 49                                                     | 89                                                      | 156                                                     | 119                                                     | 132                                                     |
| 249                   | 192                  | 34                   | 90                                                         | 92                                                        | 77                                                         | 50                                                       | 94                                                     | 49                                                     | 89                                                      | 156                                                     | 119                                                     | 132                                                     |
| 250                   | 192                  | 56                   | 89                                                         | 92                                                        | 77                                                         | 50                                                       | 94                                                     | 49                                                     | 89                                                      | 156                                                     | 120                                                     | 132                                                     |
| 251                   | 193                  | 17                   | 90                                                         | 92                                                        | 77                                                         | 50                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 252                   | 193                  | 38                   | 90                                                         | 92                                                        | 77                                                         | 50                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 253                   | 193                  | 59                   | 90                                                         | 92                                                        | 77                                                         | 50                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 254                   | 194                  | 20                   | 89                                                         | 92                                                        | 76                                                         | 50                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 255                   | 194                  | 42                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 256                   | 195                  | 3                    | 89                                                         | 93                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 257                   | 195                  | 24                   | 89                                                         | 93                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 258                   | 196                  | 40                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 259                   | 196                  | 59                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 260                   | 197                  | 16                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 261                   | 197                  | 37                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 262                   | 197                  | 58                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 263                   | 198                  | 19                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 264                   | 198                  | 40                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 265                   | 198                  | 59                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 266                   | 199                  | 10                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 267                   | 199                  | 31                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 268                   | 199                  | 52                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 269                   | 200                  | 13                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 270                   | 200                  | 34                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 271                   | 200                  | 55                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 272                   | 201                  | 16                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 273                   | 201                  | 37                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 274                   | 201                  | 58                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 275                   | 202                  | 9                    | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |
| 276                   | 202                  | 29                   | 89                                                         | 92                                                        | 76                                                         | 49                                                       | 95                                                     | 49                                                     | 89                                                      | 157                                                     | 120                                                     | 132                                                     |

| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG.1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>INRD<br>DEG.C | 7-07<br>ENG.1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTRD<br>DEG.C | 7-08<br>ENG.1<br>FUEL<br>CMTLRL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG.1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG.1<br>FUEL<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG.1<br>CUMPR<br>CSE<br>STG-2<br>4.30<br>DEG.C | 7-13<br>ENG.1<br>COMPR<br>CSE<br>STG-3<br>6.00<br>DEG.C | 7-14<br>ENG.1<br>COMPR<br>CSE<br>STG-3<br>6.00<br>DEG.C | 7-15<br>ENG.1<br>COMPR<br>CSE<br>STG-4<br>3.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 277                   | 122                  | 46                   | 81                                                         | 81                                                        | 64                                                         | 50                                                       | 72                                                     | 51                                             | 75                                                      | 134                                                     | 100                                                     | 116                                                     |
| 278                   | 123                  | 7                    | 83                                                         | 81                                                        | 66                                                         | 49                                                       | 73                                                     | 53                                             | 75                                                      | 136                                                     | 95                                                      | 110                                                     |
| 279                   | 123                  | 28                   | 80                                                         | 80                                                        | 66                                                         | 47                                                       | 72                                                     | 52                                             | 75                                                      | 130                                                     | 98                                                      | 111                                                     |
| 280                   | 123                  | 49                   | 81                                                         | 81                                                        | 67                                                         | 48                                                       | 73                                                     | 51                                             | 76                                                      | 129                                                     | 104                                                     | 115                                                     |
| 281                   | 124                  | 10                   | 81                                                         | 81                                                        | 65                                                         | 47                                                       | 75                                                     | 51                                             | 78                                                      | 129                                                     | 107                                                     | 117                                                     |
| 282                   | 124                  | 31                   | 80                                                         | 80                                                        | 64                                                         | 48                                                       | 76                                                     | 50                                             | 79                                                      | 134                                                     | 106                                                     | 118                                                     |
| 283                   | 124                  | 52                   | 80                                                         | 80                                                        | 63                                                         | 48                                                       | 75                                                     | 52                                             | 79                                                      | 135                                                     | 102                                                     | 116                                                     |
| 284                   | 125                  | 13                   | 80                                                         | 78                                                        | 62                                                         | 49                                                       | 75                                                     | 51                                             | 78                                                      | 134                                                     | 100                                                     | 114                                                     |
| 285                   | 125                  | 34                   | 80                                                         | 77                                                        | 61                                                         | 48                                                       | 74                                                     | 51                                             | 76                                                      | 132                                                     | 100                                                     | 115                                                     |
| 286                   | 126                  | 56                   | 79                                                         | 76                                                        | 60                                                         | 48                                                       | 73                                                     | 49                                             | 76                                                      | 133                                                     | 180                                                     | 115                                                     |
| 287                   | 126                  | 17                   | 79                                                         | 76                                                        | 61                                                         | 48                                                       | 73                                                     | 50                                             | 78                                                      | 135                                                     | 187                                                     | 118                                                     |
| 288                   | 126                  | 38                   | 78                                                         | 76                                                        | 60                                                         | 48                                                       | 73                                                     | 50                                             | 79                                                      | 135                                                     | 186                                                     | 118                                                     |
| 289                   | 126                  | 59                   | 75                                                         | 75                                                        | 60                                                         | 48                                                       | 73                                                     | 50                                             | 77                                                      | 137                                                     | 100                                                     | 114                                                     |
| 290                   | 127                  | 20                   | 75                                                         | 75                                                        | 60                                                         | 48                                                       | 72                                                     | 50                                             | 76                                                      | 134                                                     | 99                                                      | 113                                                     |
| 291                   | 127                  | 41                   | 79                                                         | 74                                                        | 60                                                         | 47                                                       | 74                                                     | 51                                             | 76                                                      | 132                                                     | 98                                                      | 113                                                     |
| 292                   | 128                  | 2                    | 78                                                         | 75                                                        | 61                                                         | 48                                                       | 74                                                     | 53                                             | 75                                                      | 133                                                     | 96                                                      | 107                                                     |
| 293                   | 128                  | 22                   | 78                                                         | 76                                                        | 64                                                         | 49                                                       | 73                                                     | 54                                             | 74                                                      | 131                                                     | 83                                                      | 95                                                      |
| 294                   | 128                  | 42                   | 76                                                         | 76                                                        | 65                                                         | 49                                                       | 73                                                     | 55                                             | 73                                                      | 124                                                     | 80                                                      | 91                                                      |
| 295                   | 129                  | 3                    | 75                                                         | 76                                                        | 64                                                         | 48                                                       | 73                                                     | 53                                             | 68                                                      | 116                                                     | 97                                                      | 106                                                     |
| 296                   | 129                  | 25                   | 76                                                         | 75                                                        | 62                                                         | 48                                                       | 73                                                     | 50                                             | 73                                                      | 121                                                     | 103                                                     | *                                                       |
| 297                   | 129                  | 46                   | 75                                                         | 74                                                        | 61                                                         | 48                                                       | 74                                                     | 51                                             | 76                                                      | 129                                                     | 105                                                     | 115                                                     |
| 298                   | 130                  | 7                    | 75                                                         | 73                                                        | 60                                                         | 48                                                       | 73                                                     | 50                                             | 78                                                      | 135                                                     | 105                                                     | 116                                                     |
| 299                   | 130                  | 28                   | 75                                                         | 72                                                        | 60                                                         | 48                                                       | 74                                                     | 51                                             | 79                                                      | 137                                                     | 102                                                     | 118                                                     |
| 300                   | 130                  | 49                   | 76                                                         | 72                                                        | 60                                                         | 48                                                       | 74                                                     | 50                                             | 80                                                      | 137                                                     | 102                                                     | 116                                                     |
| 301                   | 131                  | 10                   | 77                                                         | 73                                                        | 60                                                         | 48                                                       | 75                                                     | 51                                             | 80                                                      | 136                                                     | 97                                                      | 113                                                     |
| 302                   | 131                  | 31                   | 78                                                         | 73                                                        | 61                                                         | 48                                                       | 75                                                     | 53                                             | 78                                                      | 136                                                     | 95                                                      | 108                                                     |
| 303                   | 131                  | 52                   | 76                                                         | 73                                                        | 63                                                         | 48                                                       | 74                                                     | 53                                             | 76                                                      | 130                                                     | 94                                                      | 105                                                     |
| 304                   | 132                  | 13                   | 76                                                         | 72                                                        | 63                                                         | 48                                                       | 74                                                     | 53                                             | 76                                                      | 120                                                     | 96                                                      | 105                                                     |
| 305                   | 132                  | 35                   | 77                                                         | 73                                                        | 64                                                         | 48                                                       | 74                                                     | 53                                             | 77                                                      | 127                                                     | 99                                                      | 112                                                     |
| 306                   | 132                  | 56                   | 76                                                         | 74                                                        | 63                                                         | 48                                                       | 77                                                     | 51                                             | 79                                                      | 129                                                     | 111                                                     | 119                                                     |
| 307                   | 133                  | 17                   | 77                                                         | 75                                                        | 65                                                         | 49                                                       | 78                                                     | 50                                             | 82                                                      | 139                                                     | 116                                                     | 125                                                     |
| 308                   | 133                  | 39                   | 77                                                         | 75                                                        | 65                                                         | 49                                                       | 80                                                     | 50                                             | 84                                                      | 145                                                     | 116                                                     | 126                                                     |
| 309                   | 134                  | 0                    | 77                                                         | 75                                                        | 65                                                         | 49                                                       | 82                                                     | 49                                             | 83                                                      | 149                                                     | 114                                                     | 126                                                     |
| 310                   | 134                  | 21                   | 77                                                         | 76                                                        | 66                                                         | 49                                                       | 82                                                     | 51                                             | 82                                                      | 147                                                     | 107                                                     | 117                                                     |
| 311                   | 134                  | 42                   | 77                                                         | 77                                                        | 65                                                         | 49                                                       | 82                                                     | 52                                             | 82                                                      | 137                                                     | 101                                                     | 110                                                     |
| 312                   | 135                  | 3                    | 78                                                         | 77                                                        | 66                                                         | 49                                                       | 82                                                     | 53                                             | 77                                                      | 127                                                     | 99                                                      | 106                                                     |
| 313                   | 135                  | 24                   | 78                                                         | 78                                                        | 66                                                         | 48                                                       | 81                                                     | 54                                             | 75                                                      | 120                                                     | 97                                                      | 103                                                     |
| 314                   | 135                  | 46                   | 77                                                         | 78                                                        | 65                                                         | 48                                                       | 81                                                     | 55                                             | 74                                                      | 116                                                     | 97                                                      | 101                                                     |
| 315                   | 136                  | 7                    | 76                                                         | 78                                                        | 66                                                         | 49                                                       | 80                                                     | 55                                             | 72                                                      | 113                                                     | 97                                                      | 100                                                     |
| 316                   | 136                  | 28                   | 76                                                         | 78                                                        | 66                                                         | 51                                                       | 80                                                     | 55                                             | 72                                                      | 112                                                     | 100                                                     | 100                                                     |
| 317                   | 136                  | 49                   | 76                                                         | 78                                                        | 66                                                         | 51                                                       | 79                                                     | 55                                             | 72                                                      | 112                                                     | 100                                                     | 100                                                     |
| 318                   | 137                  | 10                   | 75                                                         | 78                                                        | 66                                                         | 53                                                       | 80                                                     | 55                                             | 72                                                      | 112                                                     | 102                                                     | 100                                                     |
| 319                   | 137                  | 31                   | 75                                                         | 79                                                        | 66                                                         | 53                                                       | 80                                                     | 56                                             | 73                                                      | 113                                                     | 103                                                     | 100                                                     |
| 320                   | 137                  | 53                   | 75                                                         | 78                                                        | 66                                                         | 54                                                       | 80                                                     | 56                                             | 73                                                      | 112                                                     | 104                                                     | 101                                                     |
| 321                   | 138                  | 14                   | *                                                          | *                                                         | 65                                                         | 54                                                       | 80                                                     | 56                                             | 69                                                      | 112                                                     | 104                                                     | 100                                                     |
| 322                   | 138                  | 36                   | 76                                                         | 78                                                        | 68                                                         | 56                                                       | 81                                                     | 55                                             | 69                                                      | 110                                                     | 95                                                      | 95                                                      |
| 323                   | 138                  | 57                   | 76                                                         | 78                                                        | 68                                                         | 56                                                       | 81                                                     | 59                                             | 72                                                      | 111                                                     | 85                                                      | 91                                                      |
| 324                   | 139                  | 18                   | 75                                                         | 78                                                        | 68                                                         | 60                                                       | 81                                                     | 60                                             | 70                                                      | 104                                                     | 76                                                      | 83                                                      |
| 325                   | 139                  | 39                   | 77                                                         | 77                                                        | 69                                                         | 65                                                       | 82                                                     | 60                                             | 68                                                      | 97                                                      | 71                                                      | 79                                                      |
| 326                   | 140                  | 0                    | 77                                                         | 78                                                        | 70                                                         | 77                                                       | 83                                                     | 60                                             | 66                                                      | 91                                                      | 69                                                      | 77                                                      |
|                       |                      |                      |                                                            |                                                           |                                                            |                                                          |                                                        |                                                | 64                                                      | 87                                                      | 69                                                      | 76                                                      |

|                       |                      |                      |                                                             |                                                            |                                                             |                                                           |                                                         |                                                         |                                                            |                                                            |                                                            |                                                            |
|-----------------------|----------------------|----------------------|-------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-05<br>ENG. 1<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 7-06<br>ENG. 1<br>IGNIT<br>EXCITR<br>SKIN<br>IMBD<br>DEG.C | 7-07<br>ENG. 1<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 7-08<br>ENG. 1<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 7-09<br>ENG. 1<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-10<br>ENG. 1<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 7-11<br>ENG. 1<br>COMPRS<br>CSE<br>STG. 2<br>4.38<br>DEG.C | 7-13<br>ENG. 1<br>COMPRS<br>CSE<br>STG. 3<br>4.38<br>DEG.C | 7-14<br>ENG. 1<br>COMPRS<br>CSE<br>STG. 3<br>6.80<br>DEG.C | 7-15<br>ENG. 1<br>COMPRS<br>CSE<br>STG. 4<br>3.08<br>DEG.C |
| 327                   | 130                  | 21                   | 77                                                          | 78                                                         | 70                                                          | 78                                                        | 84                                                      | 61                                                      | 64                                                         | 84                                                         | 68                                                         | 75                                                         |
| 328                   | 140                  | 42                   | 77                                                          | 78                                                         | 70                                                          | 79                                                        | 83                                                      | 60                                                      | 63                                                         | 83                                                         | 68                                                         | 74                                                         |

HM-530 S/N 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>IN TR8<br>CSE<br>12.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>IN TR8<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>TS<br>HRMESS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|
| 32                    | 32                   | 24                   | 45                                                      | 40                                                      | 45                                                      | 45                                                      | 40                                                      | 45                                                      | 45                                                      | 40                                                       | 46                                             |
| 33                    | 32                   | 46                   | 46                                                      | 49                                                      | 46                                                      | 45                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 47                                             |
| 34                    | 33                   | 7                    | 46                                                      | 50                                                      | 45                                                      | 45                                                      | 48                                                      | 46                                                      | 46                                                      | 48                                                       | 47                                             |
| 35                    | 35                   | 24                   | 41                                                      | 45                                                      | 41                                                      | 41                                                      | 43                                                      | 41                                                      | 41                                                      | 42                                                       | 42                                             |
| 36                    | 35                   | 9                    | 41                                                      | 43                                                      | 43                                                      | 42                                                      | 45                                                      | 42                                                      | 43                                                      | 44                                                       | 44                                             |
| 37                    | 36                   | 30                   | 43                                                      | 44                                                      | 42                                                      | 42                                                      | 44                                                      | 42                                                      | 42                                                      | 44                                                       | 44                                             |
| 38                    | 38                   | 51                   | 43                                                      | 47                                                      | 42                                                      | 42                                                      | 44                                                      | 41                                                      | 42                                                      | 44                                                       | 44                                             |
| 39                    | 34                   | 13                   | 42                                                      | 45                                                      | 41                                                      | 42                                                      | 43                                                      | 41                                                      | 41                                                      | 43                                                       | 42                                             |
| 40                    | 34                   | 34                   | 42                                                      | 47                                                      | 42                                                      | 42                                                      | 43                                                      | 41                                                      | 42                                                      | 44                                                       | 43                                             |
| 41                    | 33                   | 34                   | 42                                                      | 46                                                      | 42                                                      | 42                                                      | 43                                                      | 41                                                      | 42                                                      | 44                                                       | 43                                             |
| 42                    | 39                   | 34                   | 42                                                      | 46                                                      | 42                                                      | 42                                                      | 43                                                      | 41                                                      | 42                                                      | 44                                                       | 43                                             |
| 43                    | 39                   | 56                   | 42                                                      | 44                                                      | 42                                                      | 42                                                      | 43                                                      | 40                                                      | 42                                                      | 43                                                       | 43                                             |
| 44                    | 40                   | 17                   | 41                                                      | 45                                                      | 42                                                      | 41                                                      | 42                                                      | 42                                                      | 42                                                      | 43                                                       | 43                                             |
| 45                    | 40                   | 39                   | 41                                                      | 46                                                      | 42                                                      | 41                                                      | 43                                                      | 41                                                      | 41                                                      | 42                                                       | 42                                             |
| 46                    | 41                   | 0                    | 42                                                      | 47                                                      | 42                                                      | 41                                                      | 43                                                      | 41                                                      | 42                                                      | 42                                                       | 43                                             |
| 47                    | 41                   | 22                   | 42                                                      | 46                                                      | 40                                                      | 42                                                      | 44                                                      | 41                                                      | 42                                                      | 43                                                       | 42                                             |
| 48                    | 41                   | 43                   | 42                                                      | 46                                                      | 41                                                      | 42                                                      | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 43                                             |
| 49                    | 42                   | 5                    | 43                                                      | 47                                                      | 42                                                      | 41                                                      | 43                                                      | 41                                                      | 41                                                      | 41                                                       | 41                                             |
| 50                    | 42                   | 26                   | 42                                                      | 46                                                      | 41                                                      | 41                                                      | 44                                                      | 42                                                      | 42                                                      | 42                                                       | 42                                             |
| 51                    | 42                   | 48                   | 41                                                      | 46                                                      | 42                                                      | 41                                                      | 42                                                      | 40                                                      | 41                                                      | 42                                                       | 42                                             |
| 52                    | 43                   | 9                    | 42                                                      | 47                                                      | 41                                                      | 42                                                      | 43                                                      | 40                                                      | 41                                                      | 43                                                       | 43                                             |
| 53                    | 43                   | 30                   | 42                                                      | 47                                                      | 41                                                      | 40                                                      | 42                                                      | 40                                                      | 41                                                      | 42                                                       | 41                                             |
| 54                    | 43                   | 52                   | 42                                                      | 46                                                      | 41                                                      | 41                                                      | 43                                                      | 42                                                      | 41                                                      | 42                                                       | 43                                             |
| 55                    | 44                   | 13                   | 42                                                      | 47                                                      | 42                                                      | 41                                                      | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 43                                             |
| 56                    | 44                   | 35                   | 42                                                      | 47                                                      | 41                                                      | 42                                                      | 43                                                      | 41                                                      | 42                                                      | 43                                                       | 42                                             |
| 57                    | 44                   | 56                   | 42                                                      | 45                                                      | 41                                                      | 41                                                      | 43                                                      | 40                                                      | 40                                                      | 42                                                       | 41                                             |
| 58                    | 45                   | 18                   | 41                                                      | 45                                                      | 41                                                      | 41                                                      | 42                                                      | 40                                                      | 42                                                      | 43                                                       | 41                                             |
| 59                    | 45                   | 39                   | 42                                                      | 45                                                      | 41                                                      | 41                                                      | 43                                                      | 41                                                      | 41                                                      | 41                                                       | 41                                             |
| 60                    | 46                   | 1                    | 47                                                      | 50                                                      | 47                                                      | 45                                                      | 48                                                      | 45                                                      | 46                                                      | 47                                                       | 47                                             |
| 61                    | 46                   | 22                   | 47                                                      | 50                                                      | 47                                                      | 46                                                      | 47                                                      | 45                                                      | 46                                                      | 47                                                       | 46                                             |
| 62                    | 46                   | 43                   | 47                                                      | 50                                                      | 47                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 63                    | 47                   | 4                    | 47                                                      | 50                                                      | 47                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 47                                             |
| 64                    | 47                   | 26                   | 47                                                      | 50                                                      | 47                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 47                                             |
| 65                    | 47                   | 47                   | 46                                                      | 50                                                      | 47                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 66                    | 47                   | 47                   | 47                                                      | 50                                                      | 47                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 67                    | 47                   | 29                   | 47                                                      | 50                                                      | 47                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 68                    | 48                   | 50                   | 47                                                      | 50                                                      | 46                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 69                    | 48                   | 11                   | 47                                                      | 50                                                      | 46                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 70                    | 49                   | 32                   | 47                                                      | 50                                                      | 47                                                      | 47                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 71                    | 49                   | 53                   | 47                                                      | 50                                                      | 46                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 72                    | 50                   | 14                   | 47                                                      | 49                                                      | 47                                                      | 47                                                      | 47                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 73                    | 50                   | 35                   | 47                                                      | 49                                                      | 46                                                      | 47                                                      | 47                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 74                    | 50                   | 56                   | 47                                                      | 49                                                      | 46                                                      | 47                                                      | 47                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 75                    | 51                   | 10                   | 47                                                      | 49                                                      | 46                                                      | 47                                                      | 47                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |
| 76                    | 51                   | 39                   | 47                                                      | 49                                                      | 46                                                      | 46                                                      | 48                                                      | 46                                                      | 46                                                      | 47                                                       | 48                                             |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>SIG.4<br>6.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>6.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>6.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>Y5<br>HRRESS<br>TEMP<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|
| 77                    | 52                   | 0                    | 47                                                      | 50                                                      | 47                                                      | 46                                                     | 48                                                      | 46                                                      | 47                                                      | 47                                                       | 47                                             |
| 78                    | 52                   | 21                   | 47                                                      | 49                                                      | 47                                                      | 46                                                     | 48                                                      | 46                                                      | 47                                                      | 47                                                       | 47                                             |
| 79                    | 52                   | 42                   | 47                                                      | 50                                                      | 47                                                      | 46                                                     | 47                                                      | 46                                                      | 47                                                      | 47                                                       | 47                                             |
| 80                    | 53                   | 3                    | 47                                                      | 49                                                      | 47                                                      | 47                                                     | 48                                                      | 46                                                      | 47                                                      | 47                                                       | 47                                             |
| 81                    | 53                   | 24                   | 47                                                      | 49                                                      | 47                                                      | 46                                                     | 47                                                      | 45                                                      | 47                                                      | 46                                                       | 46                                             |
| 82                    | 53                   | 44                   | 46                                                      | 50                                                      | 47                                                      | 46                                                     | 47                                                      | 45                                                      | 47                                                      | 46                                                       | 46                                             |
| 83                    | 54                   | 7                    | 47                                                      | 49                                                      | 47                                                      | 47                                                     | 47                                                      | 46                                                      | 47                                                      | 47                                                       | 47                                             |
| 84                    | 54                   | 20                   | 47                                                      | 48                                                      | 46                                                      | 46                                                     | 47                                                      | 46                                                      | 47                                                      | 47                                                       | 48                                             |
| 85                    | 54                   | 49                   | 47                                                      | 48                                                      | 46                                                      | 46                                                     | 47                                                      | 46                                                      | 47                                                      | 46                                                       | 47                                             |
| 86                    | 55                   | 10                   | 47                                                      | 48                                                      | 47                                                      | 46                                                     | 47                                                      | 46                                                      | 47                                                      | 46                                                       | 47                                             |
| 87                    | 55                   | 31                   | 48                                                      | 48                                                      | 47                                                      | 46                                                     | 47                                                      | 46                                                      | 47                                                      | 47                                                       | 47                                             |
| 88                    | 55                   | 52                   | 47                                                      | 48                                                      | 47                                                      | 46                                                     | 47                                                      | 45                                                      | 46                                                      | 47                                                       | 48                                             |
| 89                    | 56                   | 13                   | 47                                                      | 48                                                      | 47                                                      | 46                                                     | 47                                                      | 45                                                      | 46                                                      | 47                                                       | 47                                             |
| 90                    | 56                   | 34                   | 47                                                      | 48                                                      | 47                                                      | 46                                                     | 47                                                      | 46                                                      | 46                                                      | 47                                                       | 47                                             |
| 91                    | 56                   | 55                   | 47                                                      | 48                                                      | 47                                                      | 46                                                     | 47                                                      | 46                                                      | 47                                                      | 47                                                       | 47                                             |
| 92                    | 57                   | 16                   | 47                                                      | 46                                                      | 47                                                      | 46                                                     | 48                                                      | 47                                                      | 47                                                      | 47                                                       | 47                                             |
| 93                    | 57                   | 37                   | 48                                                      | 48                                                      | 47                                                      | 47                                                     | 48                                                      | 47                                                      | 48                                                      | 47                                                       | 47                                             |
| 94                    | 57                   | 58                   | 48                                                      | 45                                                      | 47                                                      | 47                                                     | 48                                                      | 52                                                      | 49                                                      | 48                                                       | 48                                             |
| 95                    | 58                   | 19                   | 50                                                      | 44                                                      | 48                                                      | 90                                                     | 89                                                      | 82                                                      | 64                                                      | 69                                                       | 48                                             |
| 96                    | 58                   | 40                   | 55                                                      | 44                                                      | 53                                                      | 151                                                    | 148                                                     | 120                                                     | 95                                                      | 110                                                      | 49                                             |
| 97                    | 59                   | 1                    | 67                                                      | 45                                                      | 62                                                      | 243                                                    | 239                                                     | 191                                                     | 138                                                     | 155                                                      | 54                                             |
| 98                    | 59                   | 22                   | 81                                                      | 44                                                      | 76                                                      | 246                                                    | 246                                                     | 252                                                     | 188                                                     | 184                                                      | 57                                             |
| 99                    | 59                   | 43                   | 88                                                      | 44                                                      | 92                                                      | 311                                                    | 315                                                     | 302                                                     | 220                                                     | 230                                                      | 63                                             |
| 100                   | 60                   | 4                    | 87                                                      | 44                                                      | 103                                                     | 294                                                    | 297                                                     | 321                                                     | 251                                                     | 250                                                      | 67                                             |
| 101                   | 60                   | 25                   | 91                                                      | 44                                                      | 106                                                     | 305                                                    | 303                                                     | 339                                                     | 279                                                     | 267                                                      | 74                                             |
| 102                   | 60                   | 46                   | 93                                                      | 43                                                      | 108                                                     | 312                                                    | 320                                                     | 354                                                     | 302                                                     | 281                                                      | 78                                             |
| 103                   | 61                   | 6                    | 95                                                      | 43                                                      | 112                                                     | 309                                                    | 307                                                     | 361                                                     | 319                                                     | 286                                                      | 84                                             |
| 104                   | 61                   | 28                   | 96                                                      | 43                                                      | 113                                                     | 310                                                    | 303                                                     | 366                                                     | 330                                                     | 295                                                      | 90                                             |
| 105                   | 61                   | 49                   | 97                                                      | 43                                                      | 113                                                     | 310                                                    | 309                                                     | 369                                                     | 340                                                     | 301                                                      | 95                                             |
| 106                   | 62                   | 11                   | 98                                                      | 43                                                      | 113                                                     | 311                                                    | 310                                                     | 372                                                     | 347                                                     | 307                                                      | 101                                            |
| 107                   | 62                   | 32                   | 97                                                      | 43                                                      | 113                                                     | 311                                                    | 310                                                     | 373                                                     | 350                                                     | 309                                                      | 106                                            |
| 108                   | 62                   | 53                   | 98                                                      | 46                                                      | 113                                                     | 316                                                    | 316                                                     | 376                                                     | 354                                                     | 313                                                      | 108                                            |
| 109                   | 63                   | 14                   | 99                                                      | 43                                                      | 116                                                     | 317                                                    | 315                                                     | 381                                                     | 357                                                     | 317                                                      | 113                                            |
| 110                   | 63                   | 36                   | 100                                                     | 45                                                      | 116                                                     | 319                                                    | 316                                                     | 384                                                     | 362                                                     | 320                                                      | 116                                            |
| 111                   | 63                   | 57                   | 101                                                     | 48                                                      | 118                                                     | 321                                                    | 317                                                     | 387                                                     | 366                                                     | 323                                                      | 121                                            |
| 112                   | 64                   | 18                   | 102                                                     | 57                                                      | 118                                                     | 324                                                    | 321                                                     | 390                                                     | 370                                                     | 326                                                      | 123                                            |
| 113                   | 64                   | 39                   | 106                                                     | 45                                                      | 120                                                     | 324                                                    | 323                                                     | 392                                                     | 374                                                     | 332                                                      | 127                                            |
| 114                   | 65                   | 1                    | 105                                                     | 51                                                      | 121                                                     | 325                                                    | 323                                                     | 394                                                     | 378                                                     | 334                                                      | 130                                            |
| 115                   | 65                   | 22                   | 106                                                     | 46                                                      | 122                                                     | 323                                                    | 321                                                     | 395                                                     | 378                                                     | 335                                                      | 133                                            |
| 116                   | 65                   | 43                   | 104                                                     | 44                                                      | 121                                                     | 319                                                    | 316                                                     | 393                                                     | 379                                                     | 334                                                      | 135                                            |
| 117                   | 66                   | 4                    | *                                                       | *                                                       | 120                                                     | 318                                                    | 312                                                     | 393                                                     | 379                                                     | 333                                                      | 137                                            |
| 118                   | 66                   | 26                   | 101                                                     | 43                                                      | 117                                                     | 316                                                    | 310                                                     | 391                                                     | 378                                                     | 332                                                      | 138                                            |
| 119                   | 66                   | 47                   | 103                                                     | 44                                                      | 118                                                     | 319                                                    | 315                                                     | 402                                                     | 379                                                     | 344                                                      | 136                                            |
| 120                   | 67                   | 8                    | 107                                                     | 44                                                      | 120                                                     | 324                                                    | 323                                                     | 405                                                     | 391                                                     | 349                                                      | 137                                            |
| 121                   | 67                   | 30                   | 111                                                     | 46                                                      | 121                                                     | 325                                                    | 323                                                     | 406                                                     | 407                                                     | 392                                                      | 139                                            |
| 122                   | 67                   | 51                   | 114                                                     | 43                                                      | 121                                                     | 411                                                    | 407                                                     | 407                                                     | 423                                                     | 409                                                      | 140                                            |
| 123                   | 68                   | 12                   | 115                                                     | 43                                                      | 121                                                     | 413                                                    | 408                                                     | 504                                                     | 435                                                     | 420                                                      | 143                                            |
| 124                   | 68                   | 33                   | 116                                                     | 46                                                      | 121                                                     | 416                                                    | 410                                                     | 514                                                     | 447                                                     | 429                                                      | 145                                            |
| 125                   | 68                   | 53                   | 117                                                     | 43                                                      | 121                                                     | 417                                                    | 406                                                     | 521                                                     | 455                                                     | 436                                                      | 146                                            |
| 126                   | 69                   | 16                   | 118                                                     | 48                                                      | 161                                                     | 420                                                    | 408                                                     | 529                                                     | 463                                                     | 443                                                      | 147                                            |



| -01<br>SHEEP<br>COUNT | 7-02<br>TIME<br>M.M. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>8.00<br>DE3.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DE3.C | 7-21<br>ENG.1<br>COMPR<br>CSE<br>STG.5<br>8.00<br>DE3.C | 7-23<br>ENG.1<br>GAS<br>IN TR8<br>CSE<br>8.00<br>DE3.C | 7-24<br>ENG.1<br>GAS<br>IN TR8<br>CSE<br>12.00<br>DE3.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>4.00<br>DE3.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.30<br>DE3.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DE3.C | 7-28<br>ENG.1<br>T9<br>HRNESS<br>TEMP<br>DE3.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|------------------------------------------------|
| 127                   | 09                   | 37                   | 120                                                     | 45                                                      | 161                                                     | 421                                                    | 408                                                     | 534                                                     | 468                                                     | 446                                                      | 149                                            |
| 128                   | 09                   | 58                   | 121                                                     | 49                                                      | 162                                                     | 424                                                    | 410                                                     | 534                                                     | 468                                                     | 446                                                      | 149                                            |
| 129                   | 78                   | 20                   | 122                                                     | 48                                                      | 163                                                     | 425                                                    | 414                                                     | 543                                                     | 476                                                     | 453                                                      | 152                                            |
| 130                   | 78                   | 41                   | 121                                                     | 45                                                      | 164                                                     | 425                                                    | 413                                                     | 545                                                     | 478                                                     | 456                                                      | 153                                            |
| 131                   | 0                    | 41                   | 121                                                     | 43                                                      | 164                                                     | 422                                                    | 407                                                     | 546                                                     | 481                                                     | 457                                                      | 155                                            |
| 132                   | 71                   | 23                   | 121                                                     | 43                                                      | 164                                                     | 420                                                    | 406                                                     | 547                                                     | 480                                                     | 455                                                      | 156                                            |
| 133                   | 71                   | 45                   | 121                                                     | 46                                                      | 163                                                     | 420                                                    | 405                                                     | 545                                                     | 480                                                     | 453                                                      | 157                                            |
| 134                   | 72                   | 6                    | 121                                                     | 45                                                      | 163                                                     | 422                                                    | 408                                                     | 545                                                     | 478                                                     | 454                                                      | 157                                            |
| 135                   | 72                   | 27                   | 122                                                     | 47                                                      | 164                                                     | 425                                                    | 413                                                     | 547                                                     | 478                                                     | 456                                                      | 158                                            |
| 136                   | 72                   | 46                   | 122                                                     | 43                                                      | 164                                                     | 424                                                    | 411                                                     | 548                                                     | 480                                                     | 458                                                      | 159                                            |
| 137                   | 73                   | 10                   | 121                                                     | 44                                                      | 164                                                     | 424                                                    | 410                                                     | 552                                                     | 481                                                     | 460                                                      | 160                                            |
| 138                   | 73                   | 31                   | 122                                                     | 52                                                      | 164                                                     | 424                                                    | 414                                                     | 553                                                     | 482                                                     | 462                                                      | 161                                            |
| 139                   | 73                   | 52                   | 124                                                     | 45                                                      | 165                                                     | 427                                                    | 414                                                     | 553                                                     | 484                                                     | 465                                                      | 161                                            |
| 140                   | 74                   | 13                   | 124                                                     | 43                                                      | 165                                                     | 427                                                    | 414                                                     | 556                                                     | 485                                                     | 464                                                      | 162                                            |
| 141                   | 74                   | 36                   | 122                                                     | 47                                                      | 164                                                     | 419                                                    | 407                                                     | 552                                                     | 481                                                     | 459                                                      | 163                                            |
| 142                   | 75                   | 17                   | 122                                                     | 43                                                      | 164                                                     | 418                                                    | 404                                                     | 546                                                     | 480                                                     | 456                                                      | 163                                            |
| 143                   | 75                   | 38                   | 122                                                     | 50                                                      | 163                                                     | 419                                                    | 407                                                     | 549                                                     | 478                                                     | 456                                                      | 163                                            |
| 144                   | 76                   | 0                    | 122                                                     | 48                                                      | 163                                                     | 424                                                    | 412                                                     | 549                                                     | 479                                                     | 458                                                      | 164                                            |
| 145                   | 76                   | 0                    | 123                                                     | 44                                                      | 164                                                     | 423                                                    | 411                                                     | 552                                                     | 481                                                     | 459                                                      | 164                                            |
| 146                   | 76                   | 42                   | 122                                                     | 48                                                      | 164                                                     | 424                                                    | 410                                                     | 552                                                     | 480                                                     | 460                                                      | 164                                            |
| 147                   | 77                   | 3                    | 123                                                     | 48                                                      | 164                                                     | 427                                                    | 412                                                     | 553                                                     | 481                                                     | 461                                                      | 165                                            |
| 148                   | 77                   | 25                   | 123                                                     | 49                                                      | 166                                                     | 428                                                    | 416                                                     | 554                                                     | 481                                                     | 462                                                      | 165                                            |
| 149                   | 77                   | 46                   | 122                                                     | 48                                                      | 166                                                     | 426                                                    | 414                                                     | 555                                                     | 481                                                     | 465                                                      | 165                                            |
| 150                   | 78                   | 7                    | 124                                                     | 49                                                      | 166                                                     | 421                                                    | 418                                                     | 556                                                     | 484                                                     | 466                                                      | 165                                            |
| 151                   | 78                   | 28                   | 125                                                     | 43                                                      | 167                                                     | 423                                                    | 414                                                     | 560                                                     | 485                                                     | 468                                                      | 166                                            |
| 152                   | 78                   | 50                   | 122                                                     | 43                                                      | 165                                                     | 428                                                    | 410                                                     | 564                                                     | 486                                                     | 468                                                      | 167                                            |
| 153                   | 79                   | 11                   | 122                                                     | 49                                                      | 164                                                     | 424                                                    | 410                                                     | 560                                                     | 484                                                     | 465                                                      | 165                                            |
| 154                   | 79                   | 32                   | 125                                                     | 45                                                      | 164                                                     | 431                                                    | 420                                                     | 565                                                     | 486                                                     | 468                                                      | 169                                            |
| 155                   | 79                   | 53                   | 124                                                     | 43                                                      | 163                                                     | 423                                                    | 409                                                     | 565                                                     | 487                                                     | 468                                                      | 170                                            |
| 156                   | 80                   | 15                   | 124                                                     | 43                                                      | 163                                                     | 424                                                    | 413                                                     | 565                                                     | 487                                                     | 468                                                      | 169                                            |
| 157                   | 80                   | 36                   | 125                                                     | 44                                                      | 162                                                     | 428                                                    | 416                                                     | 569                                                     | 487                                                     | 468                                                      | 169                                            |
| 158                   | 80                   | 57                   | 122                                                     | 43                                                      | 162                                                     | 420                                                    | 408                                                     | 563                                                     | 485                                                     | 464                                                      | 170                                            |
| 159                   | 81                   | 18                   | 121                                                     | 45                                                      | 161                                                     | 422                                                    | 407                                                     | 566                                                     | 483                                                     | 462                                                      | 170                                            |
| 160                   | 81                   | 40                   | 122                                                     | 44                                                      | 162                                                     | 424                                                    | 411                                                     | 568                                                     | 481                                                     | 462                                                      | 170                                            |
| 161                   | 82                   | 1                    | 123                                                     | 46                                                      | 161                                                     | 427                                                    | 415                                                     | 564                                                     | 483                                                     | 464                                                      | 170                                            |
| 162                   | 82                   | 23                   | 126                                                     | 52                                                      | 163                                                     | 426                                                    | 425                                                     | 565                                                     | 485                                                     | 468                                                      | 170                                            |
| 163                   | 82                   | 44                   | 126                                                     | 46                                                      | 166                                                     | 424                                                    | 423                                                     | 565                                                     | 485                                                     | 471                                                      | 170                                            |
| 164                   | 83                   | 5                    | 126                                                     | 47                                                      | 167                                                     | 427                                                    | 412                                                     | 565                                                     | 489                                                     | 468                                                      | 170                                            |
| 165                   | 83                   | 27                   | 126                                                     | 44                                                      | 166                                                     | 425                                                    | 412                                                     | 564                                                     | 489                                                     | 467                                                      | 171                                            |
| 166                   | 83                   | 46                   | 126                                                     | 59                                                      | 165                                                     | 426                                                    | 422                                                     | 566                                                     | 488                                                     | 466                                                      | 170                                            |
| 167                   | 83                   | 68                   | 130                                                     | 64                                                      | 167                                                     | 428                                                    | 441                                                     | 571                                                     | 491                                                     | 472                                                      | 171                                            |
| 168                   | 84                   | 31                   | 133                                                     | 57                                                      | 171                                                     | 431                                                    | 445                                                     | 574                                                     | 495                                                     | 476                                                      | 172                                            |
| 169                   | 84                   | 52                   | 134                                                     | 62                                                      | 172                                                     | 434                                                    | 447                                                     | 578                                                     | 499                                                     | 483                                                      | 173                                            |
| 170                   | 85                   | 13                   | 136                                                     | 55                                                      | 176                                                     | 431                                                    | 441                                                     | 582                                                     | 505                                                     | 488                                                      | 175                                            |
| 171                   | 85                   | 35                   | 136                                                     | 62                                                      | 177                                                     | 434                                                    | 444                                                     | 582                                                     | 506                                                     | 488                                                      | 176                                            |
| 172                   | 85                   | 56                   | 137                                                     | 60                                                      | 177                                                     | 434                                                    | 444                                                     | 582                                                     | 506                                                     | 488                                                      | 176                                            |
| 173                   | 86                   | 17                   | 137                                                     | 58                                                      | 177                                                     | 434                                                    | 441                                                     | 582                                                     | 506                                                     | 488                                                      | 176                                            |
| 174                   | 86                   | 37                   | 137                                                     | 58                                                      | 177                                                     | 434                                                    | 441                                                     | 582                                                     | 506                                                     | 488                                                      | 176                                            |
| 175                   | 87                   | 0                    | 137                                                     | 62                                                      | 177                                                     | 434                                                    | 441                                                     | 582                                                     | 506                                                     | 488                                                      | 177                                            |
| 176                   | 87                   | 0                    | 137                                                     | 62                                                      | 177                                                     | 434                                                    | 441                                                     | 582                                                     | 506                                                     | 488                                                      | 177                                            |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG.1<br>COMPR<br>CSE<br>STG.4<br>6.00<br>DEG.C | 7-18<br>ENG.1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG.1<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 7-23<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>8.00<br>DEG.C | 7-24<br>ENG.1<br>GAS<br>GN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG.1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG.1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG.1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 177                   | 87                   | 22                   | 133                                                     | 61                                                      | 177                                                     | 454                                                    | 443                                                     | 587                                                     | 509                                                     | 482                                                      | 178                                                      |
| 178                   | 87                   | 43                   | 137                                                     | 61                                                      | 178                                                     | 454                                                    | 442                                                     | 586                                                     | 510                                                     | 493                                                      | 179                                                      |
| 179                   | 88                   | 5                    | 138                                                     | 55                                                      | 179                                                     | 452                                                    | 440                                                     | 585                                                     | 508                                                     | 493                                                      | 179                                                      |
| 180                   | 88                   | 26                   | 138                                                     | 62                                                      | 178                                                     | 452                                                    | 437                                                     | 584                                                     | 507                                                     | 490                                                      | 179                                                      |
| 181                   | 88                   | 47                   | 136                                                     | 61                                                      | 178                                                     | 452                                                    | 440                                                     | 583                                                     | 506                                                     | 490                                                      | 180                                                      |
| 182                   | 89                   | 2                    | 135                                                     | 58                                                      | 177                                                     | 451                                                    | 436                                                     | 582                                                     | 507                                                     | 490                                                      | 181                                                      |
| 183                   | 89                   | 30                   | 134                                                     | 45                                                      | 177                                                     | 455                                                    | 428                                                     | 576                                                     | 505                                                     | 485                                                      | 181                                                      |
| 184                   | 89                   | 51                   | 129                                                     | 44                                                      | 173                                                     | 429                                                    | 417                                                     | 572                                                     | 501                                                     | 478                                                      | 181                                                      |
| 185                   | 90                   | 13                   | 126                                                     | 43                                                      | 166                                                     | 428                                                    | 418                                                     | 570                                                     | 497                                                     | 478                                                      | 180                                                      |
| 186                   | 90                   | 34                   | 121                                                     | 42                                                      | 157                                                     | 415                                                    | 408                                                     | 562                                                     | 492                                                     | 470                                                      | 182                                                      |
| 187                   | 90                   | 55                   | 115                                                     | 42                                                      | 145                                                     | 415                                                    | 398                                                     | 548                                                     | 484                                                     | 464                                                      | 182                                                      |
| 188                   | 91                   | 16                   | 110                                                     | 41                                                      | 140                                                     | 391                                                    | 384                                                     | 527                                                     | 475                                                     | 452                                                      | 181                                                      |
| 189                   | 91                   | 37                   | 103                                                     | 41                                                      | 139                                                     | 378                                                    | 372                                                     | 508                                                     | 465                                                     | 441                                                      | 179                                                      |
| 190                   | 91                   | 58                   | 102                                                     | 43                                                      | 137                                                     | 371                                                    | 366                                                     | 495                                                     | 455                                                     | 429                                                      | 177                                                      |
| 191                   | 92                   | 19                   | 98                                                      | 43                                                      | 134                                                     | 370                                                    | 363                                                     | 485                                                     | 446                                                     | 418                                                      | 176                                                      |
| 192                   | 92                   | 40                   | 97                                                      | 42                                                      | 131                                                     | 366                                                    | 363                                                     | 470                                                     | 437                                                     | 412                                                      | 173                                                      |
| 193                   | 93                   | 1                    | 96                                                      | 42                                                      | 130                                                     | 355                                                    | 356                                                     | 470                                                     | 426                                                     | 404                                                      | 171                                                      |
| 194                   | 93                   | 22                   | 96                                                      | 43                                                      | 130                                                     | 355                                                    | 346                                                     | 460                                                     | 418                                                     | 394                                                      | 169                                                      |
| 195                   | 93                   | 43                   | 99                                                      | 42                                                      | 130                                                     | 352                                                    | 355                                                     | 457                                                     | 409                                                     | 388                                                      | 165                                                      |
| 196                   | 94                   | 5                    | 103                                                     | 42                                                      | 132                                                     | 356                                                    | 361                                                     | 459                                                     | 405                                                     | 389                                                      | 163                                                      |
| 197                   | 94                   | 26                   | 103                                                     | 43                                                      | 136                                                     | 370                                                    | 363                                                     | 461                                                     | 405                                                     | 387                                                      | 161                                                      |
| 198                   | 94                   | 47                   | 110                                                     | 43                                                      | 140                                                     | 413                                                    | 409                                                     | 484                                                     | 420                                                     | 404                                                      | 161                                                      |
| 199                   | 95                   | 8                    | 117                                                     | 42                                                      | 145                                                     | 430                                                    | 427                                                     | 528                                                     | 439                                                     | 433                                                      | 161                                                      |
| 200                   | 95                   | 30                   | 122                                                     | 43                                                      | 151                                                     | 436                                                    | 430                                                     | 584                                                     | 456                                                     | 452                                                      | 164                                                      |
| 201                   | 95                   | 51                   | 124                                                     | 43                                                      | 156                                                     | 434                                                    | 429                                                     | 570                                                     | 459                                                     | 464                                                      | 164                                                      |
| 202                   | 96                   | 13                   | 126                                                     | 43                                                      | 157                                                     | 435                                                    | 426                                                     | 579                                                     | 477                                                     | 469                                                      | 164                                                      |
| 203                   | 96                   | 34                   | 126                                                     | 42                                                      | 158                                                     | 435                                                    | 423                                                     | 579                                                     | 484                                                     | 474                                                      | 164                                                      |
| 204                   | 96                   | 55                   | 127                                                     | 42                                                      | 163                                                     | 435                                                    | 422                                                     | 589                                                     | 489                                                     | 476                                                      | 166                                                      |
| 205                   | 97                   | 17                   | 127                                                     | 42                                                      | 163                                                     | 436                                                    | 423                                                     | 592                                                     | 494                                                     | 477                                                      | 166                                                      |
| 206                   | 97                   | 38                   | 128                                                     | 42                                                      | 163                                                     | 435                                                    | 421                                                     | 593                                                     | 495                                                     | 478                                                      | 169                                                      |
| 207                   | 97                   | 59                   | 128                                                     | 42                                                      | 160                                                     | 436                                                    | 423                                                     | 594                                                     | 497                                                     | 480                                                      | 170                                                      |
| 208                   | 98                   | 21                   | 129                                                     | 43                                                      | 160                                                     | 436                                                    | 423                                                     | 594                                                     | 497                                                     | 482                                                      | 170                                                      |
| 209                   | 98                   | 42                   | 128                                                     | 43                                                      | 161                                                     | 435                                                    | 422                                                     | 595                                                     | 500                                                     | 482                                                      | 171                                                      |
| 210                   | 99                   | 3                    | 128                                                     | 42                                                      | 161                                                     | 431                                                    | 417                                                     | 592                                                     | 499                                                     | 480                                                      | 173                                                      |
| 211                   | 99                   | 24                   | 128                                                     | 42                                                      | 161                                                     | 432                                                    | 420                                                     | 590                                                     | 498                                                     | 478                                                      | 174                                                      |
| 212                   | 99                   | 46                   | 127                                                     | 42                                                      | 161                                                     | 431                                                    | 418                                                     | 590                                                     | 498                                                     | 477                                                      | 175                                                      |
| 213                   | 100                  | 7                    | 126                                                     | 42                                                      | 161                                                     | 431                                                    | 421                                                     | 589                                                     | 497                                                     | 477                                                      | 176                                                      |
| 214                   | 100                  | 28                   | 127                                                     | 43                                                      | 161                                                     | 433                                                    | 421                                                     | 589                                                     | 497                                                     | 477                                                      | 177                                                      |
| 215                   | 100                  | 50                   | 126                                                     | 42                                                      | 161                                                     | 434                                                    | 420                                                     | 588                                                     | 497                                                     | 478                                                      | 177                                                      |
| 216                   | 101                  | 11                   | 126                                                     | 42                                                      | 161                                                     | 432                                                    | 420                                                     | 590                                                     | 497                                                     | 478                                                      | 178                                                      |
| 217                   | 101                  | 32                   | 126                                                     | 42                                                      | 161                                                     | 430                                                    | 419                                                     | 591                                                     | 497                                                     | 478                                                      | 178                                                      |
| 218                   | 101                  | 54                   | 127                                                     | 42                                                      | 161                                                     | 436                                                    | 424                                                     | 592                                                     | 497                                                     | 478                                                      | 178                                                      |
| 219                   | 102                  | 15                   | 128                                                     | 42                                                      | 161                                                     | 433                                                    | 420                                                     | 592                                                     | 497                                                     | 480                                                      | 179                                                      |
| 220                   | 102                  | 37                   | 128                                                     | 42                                                      | 164                                                     | 436                                                    | 424                                                     | 593                                                     | 498                                                     | 481                                                      | 179                                                      |
| 221                   | 102                  | 58                   | 128                                                     | 42                                                      | 164                                                     | 434                                                    | 423                                                     | 593                                                     | 498                                                     | 482                                                      | 188                                                      |
| 222                   | 103                  | 19                   | 129                                                     | 42                                                      | 164                                                     | 432                                                    | 419                                                     | 592                                                     | 497                                                     | 479                                                      | 181                                                      |
| 223                   | 103                  | 41                   | 127                                                     | 42                                                      | 162                                                     | 432                                                    | 420                                                     | 591                                                     | 498                                                     | 479                                                      | 182                                                      |
| 224                   | 104                  | 2                    | 127                                                     | 42                                                      | 162                                                     | 432                                                    | 420                                                     | 592                                                     | 499                                                     | 477                                                      | 182                                                      |
| 225                   | 104                  | 24                   | 125                                                     | 43                                                      | 161                                                     | 431                                                    | 417                                                     | 590                                                     | 497                                                     | 475                                                      | 184                                                      |
| 226                   | 104                  | 45                   | 126                                                     | 43                                                      | 161                                                     | 438                                                    | 427                                                     | 593                                                     | 499                                                     | 480                                                      | 184                                                      |

| -81<br>SWEET<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG. 1<br>COMPRAS<br>STG. 14<br>6.00<br>DEG. C | 7-18<br>ENG. 1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG. C | 7-21<br>ENG. 1<br>COMPRAS<br>CSE<br>STG. 5<br>6.00<br>DEG. C | 7-23<br>ENG. 1<br>GN TRB<br>CSE<br>12.00<br>DEG. C | 7-24<br>ENG. 1<br>GAS<br>IN TRB<br>CSE<br>12.00<br>DEG. C | 7-25<br>ENG. 1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG. C | 7-26<br>ENG. 1<br>POWER<br>TURB<br>CASE<br>6.00<br>DEG. C | 7-27<br>ENG. 1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG. C | 7-28<br>ENG. 1<br>IS<br>HRNESS<br>TEMP<br>DEG. C |
|-----------------------|----------------------|----------------------|--------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|--------------------------------------------------|
| 227                   | 105                  | 6                    | 127                                                    | 43                                                        | 161                                                          | 438                                                | 426                                                       | 594                                                       | 580                                                       | 482                                                        | 195                                              |
| 228                   | 105                  | 27                   | 127                                                    | 46                                                        | 161                                                          | 440                                                | 426                                                       | 596                                                       | 581                                                       | 482                                                        | 189                                              |
| 229                   | 105                  | 49                   | 127                                                    | 44                                                        | 161                                                          | 439                                                | 425                                                       | 594                                                       | 582                                                       | 482                                                        | 189                                              |
| 230                   | 106                  | 18                   | 127                                                    | 46                                                        | 161                                                          | 439                                                | 424                                                       | 594                                                       | 582                                                       | 482                                                        | 191                                              |
| 231                   | 106                  | 31                   | 127                                                    | 44                                                        | 164                                                          | 437                                                | 424                                                       | 596                                                       | 583                                                       | 483                                                        | 192                                              |
| 232                   | 106                  | 53                   | 126                                                    | 45                                                        | 162                                                          | 435                                                | 422                                                       | 596                                                       | 583                                                       | 483                                                        | 192                                              |
| 233                   | 107                  | 14                   | 125                                                    | 45                                                        | 161                                                          | 439                                                | 426                                                       | 596                                                       | 584                                                       | 481                                                        | 194                                              |
| 234                   | 107                  | 35                   | 127                                                    | 45                                                        | 163                                                          | 439                                                | 426                                                       | 595                                                       | 584                                                       | 482                                                        | 196                                              |
| 235                   | 107                  | 57                   | 127                                                    | 45                                                        | 163                                                          | 439                                                | 423                                                       | 595                                                       | 585                                                       | 482                                                        | 197                                              |
| 236                   | 108                  | 18                   | 127                                                    | 45                                                        | 163                                                          | 441                                                | 425                                                       | 596                                                       | 584                                                       | 484                                                        | 198                                              |
| 237                   | 108                  | 40                   | 127                                                    | 45                                                        | 163                                                          | 440                                                | 426                                                       | 595                                                       | 583                                                       | 486                                                        | 198                                              |
| 238                   | 109                  | 1                    | 126                                                    | 45                                                        | 162                                                          | 440                                                | 427                                                       | 596                                                       | 582                                                       | 485                                                        | 199                                              |
| 239                   | 109                  | 22                   | 127                                                    | 45                                                        | 162                                                          | 441                                                | 429                                                       | 596                                                       | 583                                                       | 485                                                        | 199                                              |
| 240                   | 109                  | 44                   | 126                                                    | 43                                                        | 163                                                          | 439                                                | 424                                                       | 594                                                       | 584                                                       | 484                                                        | 201                                              |
| 241                   | 110                  | 5                    | 126                                                    | 43                                                        | 163                                                          | 438                                                | 422                                                       | 593                                                       | 584                                                       | 484                                                        | 201                                              |
| 242                   | 110                  | 26                   | 127                                                    | 44                                                        | 164                                                          | 438                                                | 423                                                       | 591                                                       | 583                                                       | 482                                                        | 202                                              |
| 243                   | 110                  | 40                   | 127                                                    | 42                                                        | 163                                                          | 440                                                | 425                                                       | 592                                                       | 584                                                       | 485                                                        | 202                                              |
| 244                   | 111                  | 9                    | 128                                                    | 43                                                        | 165                                                          | 439                                                | 425                                                       | 592                                                       | 584                                                       | 485                                                        | 204                                              |
| 245                   | 111                  | 30                   | 129                                                    | 44                                                        | 165                                                          | 438                                                | 425                                                       | 592                                                       | 584                                                       | 485                                                        | 204                                              |
| 246                   | 111                  | 52                   | 128                                                    | 44                                                        | 163                                                          | 436                                                | 423                                                       | 591                                                       | 583                                                       | 485                                                        | 203                                              |
| 247                   | 112                  | 13                   | 127                                                    | 43                                                        | 163                                                          | 435                                                | 420                                                       | 590                                                       | 583                                                       | 481                                                        | 203                                              |
| 248                   | 112                  | 34                   | 126                                                    | 43                                                        | 163                                                          | 435                                                | 421                                                       | 590                                                       | 581                                                       | 480                                                        | 203                                              |
| 249                   | 112                  | 56                   | 126                                                    | 43                                                        | 162                                                          | 435                                                | 421                                                       | 588                                                       | 581                                                       | 480                                                        | 204                                              |
| 250                   | 113                  | 17                   | 126                                                    | 44                                                        | 161                                                          | 431                                                | 417                                                       | 584                                                       | 580                                                       | 476                                                        | 202                                              |
| 251                   | 113                  | 30                   | 124                                                    | 45                                                        | 161                                                          | 419                                                | 408                                                       | 572                                                       | 493                                                       | 470                                                        | 200                                              |
| 252                   | 113                  | 59                   | 121                                                    | 46                                                        | 163                                                          | 393                                                | 389                                                       | 548                                                       | 484                                                       | 457                                                        | 200                                              |
| 253                   | 114                  | 20                   | 116                                                    | 43                                                        | 158                                                          | 357                                                | 349                                                       | 515                                                       | 466                                                       | 433                                                        | 197                                              |
| 254                   | 114                  | 42                   | 111                                                    | 44                                                        | 148                                                          | 339                                                | 330                                                       | 484                                                       | 447                                                       | 410                                                        | 194                                              |
| 255                   | 115                  | 3                    | 107                                                    | 44                                                        | 139                                                          | 327                                                | 322                                                       | 459                                                       | 431                                                       | 391                                                        | 193                                              |
| 256                   | 115                  | 24                   | 107                                                    | 44                                                        | 131                                                          | 325                                                | 321                                                       | 439                                                       | 417                                                       | 380                                                        | 191                                              |
| 257                   | 115                  | 45                   | 105                                                    | 43                                                        | 128                                                          | 339                                                | 335                                                       | 429                                                       | 407                                                       | 374                                                        | 188                                              |
| 258                   | 116                  | 6                    | 107                                                    | 44                                                        | 130                                                          | 371                                                | 366                                                       | 461                                                       | 487                                                       | 384                                                        | 182                                              |
| 259                   | 116                  | 27                   | 111                                                    | 43                                                        | 136                                                          | 422                                                | 421                                                       | 482                                                       | 423                                                       | 412                                                        | 178                                              |
| 260                   | 116                  | 49                   | 116                                                    | 40                                                        | 141                                                          | 431                                                | 433                                                       | 519                                                       | 446                                                       | 444                                                        | 178                                              |
| 261                   | 117                  | 9                    | 116                                                    | 37                                                        | 149                                                          | 424                                                | 422                                                       | 536                                                       | 461                                                       | 451                                                        | 175                                              |
| 262                   | 117                  | 31                   | 118                                                    | 35                                                        | 150                                                          | 423                                                | 419                                                       | 540                                                       | 469                                                       | 455                                                        | 173                                              |
| 263                   | 117                  | 52                   | 115                                                    | 35                                                        | 151                                                          | 424                                                | 413                                                       | 552                                                       | 474                                                       | 457                                                        | 174                                              |
| 264                   | 118                  | 13                   | 108                                                    | 35                                                        | 145                                                          | 379                                                | 372                                                       | 533                                                       | 465                                                       | 447                                                        | 174                                              |
| 265                   | 118                  | 34                   | 101                                                    | 76                                                        | 137                                                          | 361                                                | 354                                                       | 509                                                       | 453                                                       | 429                                                        | 172                                              |
| 266                   | 118                  | 55                   | 96                                                     | 37                                                        | 129                                                          | 351                                                | 346                                                       | 489                                                       | 438                                                       | 413                                                        | 168                                              |
| 267                   | 119                  | 16                   | 92                                                     | 38                                                        | 126                                                          | 346                                                | 342                                                       | 472                                                       | 426                                                       | 400                                                        | 165                                              |
| 268                   | 119                  | 37                   | 91                                                     | 39                                                        | 123                                                          | 348                                                | 345                                                       | 463                                                       | 415                                                       | 393                                                        | 161                                              |
| 269                   | 119                  | 58                   | 90                                                     | 37                                                        | 121                                                          | 349                                                | 348                                                       | 450                                                       | 408                                                       | 384                                                        | 158                                              |
| 270                   | 120                  | 19                   | 91                                                     | 38                                                        | 121                                                          | 343                                                | 346                                                       | 451                                                       | 401                                                       | 384                                                        | 157                                              |
| 271                   | 120                  | 40                   | 89                                                     | 41                                                        | 118                                                          | 360                                                | 352                                                       | 452                                                       | 401                                                       | 384                                                        | 157                                              |
| 272                   | 121                  | 1                    | 91                                                     | 40                                                        | 121                                                          | 378                                                | 369                                                       | 465                                                       | 407                                                       | 386                                                        | 155                                              |
| 273                   | 121                  | 22                   | 93                                                     | 41                                                        | 124                                                          | 382                                                | 373                                                       | 477                                                       | 414                                                       | 398                                                        | 154                                              |
| 274                   | 121                  | 43                   | 95                                                     | 43                                                        | 127                                                          | 382                                                | 376                                                       | 485                                                       | 422                                                       | 394                                                        | 153                                              |
| 275                   | 121                  | 6                    | 96                                                     | 42                                                        | 129                                                          | 385                                                | 376                                                       | 490                                                       | 427                                                       | 396                                                        | 152                                              |
| 276                   | 121                  | 25                   | 96                                                     | 43                                                        | 130                                                          | 384                                                | 376                                                       | 492                                                       | 431                                                       | 398                                                        | 153                                              |

| -01<br>SWEEP<br>COUNT | 7-02<br>TIME<br>MIN. | 7-03<br>TIME<br>SEC. | 7-17<br>ENG-1<br>COMPR<br>CSE<br>STG-4<br>6.00<br>DEG.C | 7-18<br>ENG-1<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 7-21<br>ENG-1<br>COMPR<br>CSE<br>STG-5<br>6.00<br>DEG.C | 7-23<br>ENG-1<br>GAS<br>SN TRB<br>CSE<br>6.00<br>DEG.C | 7-24<br>ENG-1<br>GAS<br>SN TRB<br>CSE<br>12.00<br>DEG.C | 7-25<br>ENG-1<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 7-26<br>ENG-1<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 7-27<br>ENG-1<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C | 7-28<br>ENG-1<br>WRNESS<br>TEMP<br>4.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|
| 277                   | 122                  | 46                   | 96                                                      | 43                                                      | 131                                                     | 379                                                    | 377                                                     | 491                                                     | 431                                                     | 480                                                      | 152                                              |
| 278                   | 123                  | 7                    | 96                                                      | 42                                                      | 131                                                     | 354                                                    | 356                                                     | 475                                                     | 425                                                     | 395                                                      | 154                                              |
| 279                   | 123                  | 28                   | 96                                                      | 41                                                      | 129                                                     | 360                                                    | 358                                                     | 461                                                     | 417                                                     | 385                                                      | 152                                              |
| 280                   | 123                  | 49                   | 103                                                     | 40                                                      | 132                                                     | 383                                                    | 374                                                     | 468                                                     | 417                                                     | 390                                                      | 151                                              |
| 281                   | 124                  | 10                   | 107                                                     | 41                                                      | 135                                                     | 401                                                    | 396                                                     | 482                                                     | 427                                                     | 405                                                      | 150                                              |
| 282                   | 124                  | 31                   | 107                                                     | 40                                                      | 131                                                     | 401                                                    | 387                                                     | 506                                                     | 436                                                     | 416                                                      | 151                                              |
| 283                   | 124                  | 52                   | 102                                                     | 42                                                      | 131                                                     | 389                                                    | 386                                                     | 504                                                     | 440                                                     | 419                                                      | 150                                              |
| 284                   | 125                  | 13                   | 98                                                      | 43                                                      | 131                                                     | 379                                                    | 379                                                     | 501                                                     | 440                                                     | 417                                                      | 151                                              |
| 285                   | 125                  | 34                   | 96                                                      | 42                                                      | 129                                                     | 392                                                    | 382                                                     | 497                                                     | 442                                                     | 416                                                      | 151                                              |
| 286                   | 125                  | 56                   | 101                                                     | 41                                                      | 127                                                     | 412                                                    | 404                                                     | 515                                                     | 450                                                     | 426                                                      | 152                                              |
| 287                   | 126                  | 17                   | 103                                                     | 41                                                      | 129                                                     | 412                                                    | 407                                                     | 528                                                     | 455                                                     | 433                                                      | 152                                              |
| 288                   | 126                  | 38                   | 100                                                     | 40                                                      | 132                                                     | 393                                                    | 386                                                     | 528                                                     | 455                                                     | 429                                                      | 154                                              |
| 289                   | 126                  | 59                   | 99                                                      | 39                                                      | 132                                                     | 387                                                    | 378                                                     | 509                                                     | 452                                                     | 425                                                      | 155                                              |
| 290                   | 127                  | 20                   | 98                                                      | 40                                                      | 130                                                     | 383                                                    | 374                                                     | 501                                                     | 443                                                     | 419                                                      | 156                                              |
| 291                   | 127                  | 41                   | 98                                                      | 40                                                      | 130                                                     | 381                                                    | 375                                                     | 494                                                     | 444                                                     | 419                                                      | 157                                              |
| 292                   | 127                  | 2                    | 96                                                      | 41                                                      | 132                                                     | 361                                                    | 359                                                     | 484                                                     | 437                                                     | 414                                                      | 157                                              |
| 293                   | 128                  | 22                   | 92                                                      | 43                                                      | 132                                                     | 324                                                    | 328                                                     | 482                                                     | 423                                                     | 402                                                      | 157                                              |
| 294                   | 128                  | 42                   | 88                                                      | 44                                                      | 121                                                     | 384                                                    | 380                                                     | 444                                                     | 411                                                     | 389                                                      | 156                                              |
| 295                   | 129                  | 3                    | 94                                                      | 44                                                      | 113                                                     | 362                                                    | 355                                                     | 443                                                     | 405                                                     | 383                                                      | 152                                              |
| 296                   | 129                  | 25                   | 94                                                      | 44                                                      | 115                                                     | 390                                                    | 387                                                     | 461                                                     | 409                                                     | 396                                                      | 152                                              |
| 297                   | 129                  | 46                   | 101                                                     | 43                                                      | 121                                                     | 397                                                    | 396                                                     | 477                                                     | 419                                                     | 409                                                      | 158                                              |
| 298                   | 130                  | 7                    | 102                                                     | 42                                                      | 125                                                     | 400                                                    | 398                                                     | 489                                                     | 426                                                     | 416                                                      | 158                                              |
| 299                   | 130                  | 20                   | 103                                                     | 41                                                      | 126                                                     | 396                                                    | 396                                                     | 486                                                     | 425                                                     | 422                                                      | 150                                              |
| 300                   | 130                  | 49                   | 101                                                     | 42                                                      | 129                                                     | 380                                                    | 387                                                     | 483                                                     | 423                                                     | 423                                                      | 151                                              |
| 301                   | 131                  | 10                   | 98                                                      | 41                                                      | 131                                                     | 370                                                    | 374                                                     | 486                                                     | 426                                                     | 416                                                      | 151                                              |
| 302                   | 131                  | 31                   | 98                                                      | 42                                                      | 133                                                     | 348                                                    | 351                                                     | 469                                                     | 428                                                     | 407                                                      | 152                                              |
| 303                   | 131                  | 52                   | 97                                                      | 42                                                      | 129                                                     | 336                                                    | 335                                                     | 452                                                     | 417                                                     | 390                                                      | 154                                              |
| 304                   | 132                  | 13                   | 97                                                      | 42                                                      | 123                                                     | 338                                                    | 340                                                     | 441                                                     | 413                                                     | 383                                                      | 151                                              |
| 305                   | 132                  | 35                   | 100                                                     | 42                                                      | 124                                                     | 354                                                    | 346                                                     | 443                                                     | 401                                                     | 376                                                      | 150                                              |
| 306                   | 132                  | 56                   | 106                                                     | 44                                                      | 130                                                     | 403                                                    | 397                                                     | 511                                                     | 410                                                     | 391                                                      | 150                                              |
| 307                   | 133                  | 17                   | 114                                                     | 43                                                      | 140                                                     | 420                                                    | 416                                                     | 506                                                     | 427                                                     | 415                                                      | 152                                              |
| 308                   | 133                  | 39                   | 116                                                     | 43                                                      | 147                                                     | 419                                                    | 414                                                     | 524                                                     | 439                                                     | 420                                                      | 154                                              |
| 309                   | 134                  | 0                    | 118                                                     | 44                                                      | 153                                                     | 406                                                    | 408                                                     | 522                                                     | 447                                                     | 436                                                      | 154                                              |
| 310                   | 134                  | 21                   | 116                                                     | 44                                                      | 155                                                     | 373                                                    | 374                                                     | 507                                                     | 444                                                     | 427                                                      | 157                                              |
| 311                   | 134                  | 42                   | 111                                                     | 44                                                      | 150                                                     | 344                                                    | 339                                                     | 481                                                     | 435                                                     | 408                                                      | 159                                              |
| 312                   | 135                  | 3                    | 107                                                     | 44                                                      | 141                                                     | 333                                                    | 326                                                     | 459                                                     | 422                                                     | 390                                                      | 158                                              |
| 313                   | 135                  | 24                   | 104                                                     | 44                                                      | 133                                                     | 325                                                    | 319                                                     | 439                                                     | 412                                                     | 378                                                      | 160                                              |
| 314                   | 135                  | 46                   | 102                                                     | 44                                                      | 126                                                     | 323                                                    | 315                                                     | 425                                                     | 400                                                     | 368                                                      | 159                                              |
| 315                   | 136                  | 7                    | 102                                                     | 44                                                      | 123                                                     | 321                                                    | 313                                                     | 414                                                     | 393                                                     | 360                                                      | 160                                              |
| 316                   | 136                  | 28                   | 103                                                     | 46                                                      | 122                                                     | 321                                                    | 312                                                     | 406                                                     | 387                                                     | 355                                                      | 161                                              |
| 317                   | 136                  | 49                   | 104                                                     | 45                                                      | 121                                                     | 321                                                    | 313                                                     | 406                                                     | 384                                                     | 350                                                      | 160                                              |
| 318                   | 137                  | 10                   | 105                                                     | 44                                                      | 121                                                     | 321                                                    | 313                                                     | 398                                                     | 381                                                     | 348                                                      | 160                                              |
| 319                   | 137                  | 31                   | 106                                                     | 44                                                      | 122                                                     | 322                                                    | 314                                                     | 395                                                     | 379                                                     | 344                                                      | 159                                              |
| 320                   | 137                  | 53                   | 107                                                     | 44                                                      | 122                                                     | 322                                                    | 314                                                     | 395                                                     | 378                                                     | 344                                                      | 159                                              |
| 321                   | 138                  | 14                   | 101                                                     | 41                                                      | 118                                                     | 313                                                    | 311                                                     | 384                                                     | 378                                                     | 345                                                      | 157                                              |
| 322                   | 138                  | 36                   | 96                                                      | 45                                                      | 123                                                     | 305                                                    | 297                                                     | 382                                                     | 378                                                     | 350                                                      | 155                                              |
| 323                   | 138                  | 57                   | 90                                                      | 48                                                      | 112                                                     | 311                                                    | 296                                                     | 383                                                     | 371                                                     | 346                                                      | 154                                              |
| 324                   | 139                  | 18                   | 82                                                      | 50                                                      | 102                                                     | 313                                                    | 295                                                     | 367                                                     | 362                                                     | 335                                                      | 156                                              |
| 325                   | 139                  | 19                   | 78                                                      | 53                                                      | 95                                                      | 309                                                    | 291                                                     | 353                                                     | 350                                                     | 323                                                      | 155                                              |
| 326                   | 141                  | 0                    | 76                                                      | 48                                                      | 90                                                      | 306                                                    | 288                                                     | 340                                                     | 340                                                     | 315                                                      | 158                                              |



44-53C S/M 68-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>ENGTR<br>SKIN<br>INBD<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>ENGTR<br>SKIN<br>OUTBD<br>DEG.C | 5-03<br>ENG.2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 8-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 8-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 8-14<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 32                    | 32                   | 27                   | 56                                                         | 54                                                       | 55                                                        | 56                                                        | 49                                                     | 49                                                     | 54                                                      | 54                                                      | 52                                                      | 51                                                      |
| 33                    | 32                   | 48                   | 56                                                         | 55                                                       | 55                                                        | 55                                                        | 49                                                     | 49                                                     | 54                                                      | 54                                                      | 53                                                      | 51                                                      |
| 34                    | 33                   | 10                   | 56                                                         | 55                                                       | 56                                                        | 57                                                        | 50                                                     | 50                                                     | 54                                                      | 54                                                      | 53                                                      | 52                                                      |
| 35                    | 33                   | 1                    | 56                                                         | 55                                                       | 56                                                        | 57                                                        | 50                                                     | 50                                                     | 54                                                      | 54                                                      | 53                                                      | 52                                                      |
| 36                    | 35                   | 26                   | 51                                                         | 51                                                       | 51                                                        | 47                                                        | 46                                                     | 47                                                     | 51                                                      | 50                                                      | 49                                                      | 48                                                      |
| 37                    | 35                   | 50                   | 52                                                         | 53                                                       | 53                                                        | 50                                                        | 48                                                     | 48                                                     | 51                                                      | 51                                                      | 50                                                      | 48                                                      |
| 38                    | 37                   | 11                   | 53                                                         | 53                                                       | 53                                                        | 49                                                        | 48                                                     | 48                                                     | 53                                                      | 51                                                      | 50                                                      | 50                                                      |
| 39                    | 38                   | 33                   | 53                                                         | 52                                                       | 53                                                        | 48                                                        | 47                                                     | 47                                                     | 52                                                      | 51                                                      | 50                                                      | 49                                                      |
| 40                    | 38                   | 54                   | 53                                                         | 52                                                       | 52                                                        | 48                                                        | 48                                                     | 47                                                     | 52                                                      | 51                                                      | 50                                                      | 48                                                      |
| 41                    | 39                   | 15                   | 53                                                         | 52                                                       | 53                                                        | 48                                                        | 48                                                     | 48                                                     | 51                                                      | 52                                                      | 51                                                      | 49                                                      |
| 42                    | 39                   | 37                   | 53                                                         | 52                                                       | 53                                                        | 48                                                        | 48                                                     | 47                                                     | 51                                                      | 51                                                      | 50                                                      | 49                                                      |
| 43                    | 40                   | 56                   | 52                                                         | 51                                                       | 53                                                        | 49                                                        | 47                                                     | 47                                                     | 51                                                      | 51                                                      | 50                                                      | 49                                                      |
| 44                    | 40                   | 20                   | 52                                                         | 52                                                       | 53                                                        | 48                                                        | 48                                                     | 47                                                     | 51                                                      | 50                                                      | 50                                                      | 49                                                      |
| 45                    | 40                   | 42                   | 53                                                         | 52                                                       | 53                                                        | 49                                                        | 48                                                     | 48                                                     | 51                                                      | 51                                                      | 51                                                      | 48                                                      |
| 46                    | 41                   | 3                    | 53                                                         | 52                                                       | 53                                                        | 49                                                        | 47                                                     | 47                                                     | 51                                                      | 51                                                      | 50                                                      | 48                                                      |
| 47                    | 41                   | 24                   | 53                                                         | 51                                                       | 52                                                        | 48                                                        | 47                                                     | 46                                                     | 51                                                      | 51                                                      | 49                                                      | 48                                                      |
| 48                    | 41                   | 46                   | 53                                                         | 52                                                       | 52                                                        | 48                                                        | 46                                                     | 47                                                     | 52                                                      | 52                                                      | 50                                                      | 49                                                      |
| 49                    | 41                   | 5                    | 53                                                         | 51                                                       | 52                                                        | 48                                                        | 47                                                     | 47                                                     | 52                                                      | 50                                                      | 50                                                      | 48                                                      |
| 50                    | 42                   | 29                   | 52                                                         | 52                                                       | 53                                                        | 50                                                        | 48                                                     | 47                                                     | 51                                                      | 51                                                      | 50                                                      | 49                                                      |
| 51                    | 42                   | 50                   | 53                                                         | 53                                                       | 53                                                        | 50                                                        | 48                                                     | 46                                                     | 51                                                      | 51                                                      | 50                                                      | 48                                                      |
| 52                    | 43                   | 12                   | 54                                                         | 52                                                       | 52                                                        | 48                                                        | 47                                                     | 47                                                     | 51                                                      | 51                                                      | 50                                                      | 48                                                      |
| 53                    | 43                   | 33                   | 54                                                         | 52                                                       | 53                                                        | 48                                                        | 48                                                     | 46                                                     | 51                                                      | 51                                                      | 50                                                      | 49                                                      |
| 54                    | 43                   | 55                   | 53                                                         | 52                                                       | 52                                                        | 48                                                        | 47                                                     | 46                                                     | 51                                                      | 51                                                      | 50                                                      | 48                                                      |
| 55                    | 44                   | 16                   | 53                                                         | 52                                                       | 52                                                        | 50                                                        | 46                                                     | 46                                                     | 50                                                      | 51                                                      | 50                                                      | 48                                                      |
| 56                    | 44                   | 37                   | 54                                                         | 53                                                       | 53                                                        | 53                                                        | 46                                                     | 46                                                     | 53                                                      | 53                                                      | 51                                                      | 50                                                      |
| 57                    | 44                   | 59                   | 51                                                         | 51                                                       | 51                                                        | 48                                                        | 46                                                     | 46                                                     | 51                                                      | 51                                                      | 50                                                      | 49                                                      |
| 58                    | 45                   | 20                   | 53                                                         | 52                                                       | 53                                                        | 48                                                        | 46                                                     | 46                                                     | 51                                                      | 51                                                      | 49                                                      | 48                                                      |
| 59                    | 45                   | 42                   | 52                                                         | 52                                                       | 52                                                        | 49                                                        | 47                                                     | 46                                                     | 50                                                      | 50                                                      | 48                                                      | 48                                                      |
| 60                    | 46                   | 4                    | 58                                                         | 57                                                       | 58                                                        | 58                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 56                                                      | 54                                                      |
| 61                    | 46                   | 25                   | 58                                                         | 57                                                       | 58                                                        | 56                                                        | 52                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 62                    | 46                   | 46                   | 58                                                         | 57                                                       | 58                                                        | 58                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 63                    | 47                   | 7                    | 58                                                         | 57                                                       | 58                                                        | 58                                                        | 53                                                     | 51                                                     | 57                                                      | 56                                                      | 55                                                      | 54                                                      |
| 64                    | 47                   | 26                   | 58                                                         | 56                                                       | 58                                                        | 58                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 65                    | 48                   | 47                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 66                    | 48                   | 10                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 67                    | 48                   | 31                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 68                    | 48                   | 52                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 52                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 69                    | 49                   | 14                   | 59                                                         | 57                                                       | 58                                                        | 58                                                        | 52                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 53                                                      |
| 70                    | 49                   | 35                   | 58                                                         | 58                                                       | 57                                                        | 58                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 53                                                      |
| 71                    | 49                   | 56                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 53                                                      |
| 72                    | 50                   | 14                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 52                                                     | 52                                                     | 57                                                      | 56                                                      | 55                                                      | 54                                                      |
| 73                    | 50                   | 38                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 74                    | 50                   | 59                   | 58                                                         | 57                                                       | 58                                                        | 58                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 75                    | 51                   | 20                   | 58                                                         | 57                                                       | 58                                                        | 59                                                        | 52                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |
| 76                    | 51                   | 41                   | 58                                                         | 54                                                       | 58                                                        | 58                                                        | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 54                                                      |

| -01<br>SHEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 0-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 0-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 0-08<br>ENG.2<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 0-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 0-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 0-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.00<br>DEG.C | 0-14<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>5.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 77                    | 52                   | 2                    | 58                                                         | 57                                                        | 58                                                         | 58                                                       | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 56                                                      | 55                                                      |
| 78                    | 52                   | 21                   | 58                                                         | 57                                                        | 58                                                         | 58                                                       | 53                                                     | 52                                                     | 57                                                      | 57                                                      | 56                                                      | 54                                                      |
| 79                    | 52                   | 44                   | 58                                                         | 58                                                        | 58                                                         | 59                                                       | 53                                                     | 53                                                     | 57                                                      | 57                                                      | 56                                                      | 54                                                      |
| 80                    | 53                   | 5                    | 58                                                         | 57                                                        | 58                                                         | 58                                                       | 52                                                     | 52                                                     | 57                                                      | 57                                                      | 55                                                      | 53                                                      |
| 81                    | 53                   | 24                   | 59                                                         | 58                                                        | 58                                                         | 60                                                       | 53                                                     | 53                                                     | 56                                                      | 56                                                      | 56                                                      | 54                                                      |
| 82                    | 53                   | 48                   | 59                                                         | 60                                                        | 57                                                         | 58                                                       | 53                                                     | 53                                                     | 55                                                      | 56                                                      | 56                                                      | 54                                                      |
| 83                    | 53                   | 7                    | 59                                                         | 58                                                        | 57                                                         | *                                                        | 54                                                     | 54                                                     | 60                                                      | 60                                                      | 58                                                      | 57                                                      |
| 84                    | 54                   | 30                   | 59                                                         | 59                                                        | 58                                                         | *                                                        | 58                                                     | 59                                                     | 63                                                      | 63                                                      | 61                                                      | 61                                                      |
| 85                    | 54                   | 51                   | 58                                                         | 58                                                        | 58                                                         | *                                                        | 61                                                     | 59                                                     | 63                                                      | 65                                                      | 64                                                      | 64                                                      |
| 86                    | 55                   | 12                   | 59                                                         | 59                                                        | 58                                                         | *                                                        | 65                                                     | 67                                                     | 63                                                      | 66                                                      | 64                                                      | 63                                                      |
| 87                    | 55                   | 31                   | 60                                                         | 59                                                        | 58                                                         | *                                                        | 68                                                     | 58                                                     | 63                                                      | 65                                                      | 64                                                      | 64                                                      |
| 88                    | 55                   | 55                   | 59                                                         | 59                                                        | 59                                                         | *                                                        | 69                                                     | 59                                                     | 64                                                      | 66                                                      | 65                                                      | 64                                                      |
| 89                    | 56                   | 16                   | 60                                                         | 60                                                        | 50                                                         | *                                                        | 70                                                     | 58                                                     | 64                                                      | 66                                                      | 65                                                      | 65                                                      |
| 90                    | 56                   | 37                   | 60                                                         | 60                                                        | 58                                                         | *                                                        | 73                                                     | 58                                                     | 65                                                      | 66                                                      | 65                                                      | 65                                                      |
| 91                    | 56                   | 58                   | 59                                                         | 59                                                        | 59                                                         | *                                                        | 75                                                     | 58                                                     | 65                                                      | 68                                                      | 65                                                      | 65                                                      |
| 92                    | 57                   | 18                   | 62                                                         | 59                                                        | 59                                                         | *                                                        | 78                                                     | 57                                                     | 72                                                      | 75                                                      | 73                                                      | 72                                                      |
| 93                    | 57                   | 40                   | 64                                                         | 60                                                        | 59                                                         | *                                                        | 80                                                     | 57                                                     | 87                                                      | 87                                                      | 83                                                      | 82                                                      |
| 94                    | 58                   | 1                    | 63                                                         | 62                                                        | 57                                                         | *                                                        | 83                                                     | 55                                                     | 91                                                      | 91                                                      | 89                                                      | 88                                                      |
| 95                    | 58                   | 22                   | 64                                                         | 64                                                        | 58                                                         | *                                                        | 85                                                     | 54                                                     | 92                                                      | 94                                                      | 92                                                      | 88                                                      |
| 96                    | 58                   | 40                   | 66                                                         | 64                                                        | 58                                                         | *                                                        | 88                                                     | 53                                                     | 94                                                      | 94                                                      | 93                                                      | 92                                                      |
| 97                    | 59                   | 1                    | 67                                                         | 65                                                        | 58                                                         | *                                                        | 90                                                     | 53                                                     | 98                                                      | 94                                                      | 93                                                      | 92                                                      |
| 98                    | 59                   | 24                   | 67                                                         | 66                                                        | 58                                                         | *                                                        | 92                                                     | 52                                                     | 99                                                      | 92                                                      | 92                                                      | 93                                                      |
| 99                    | 59                   | 45                   | 68                                                         | 67                                                        | 57                                                         | *                                                        | 93                                                     | 52                                                     | 99                                                      | 88                                                      | 87                                                      | 91                                                      |
| 100                   | 60                   | 6                    | 69                                                         | 68                                                        | 57                                                         | *                                                        | 96                                                     | 53                                                     | 71                                                      | 80                                                      | 82                                                      | 86                                                      |
| 101                   | 60                   | 27                   | 69                                                         | 68                                                        | 57                                                         | *                                                        | 98                                                     | 53                                                     | 77                                                      | 88                                                      | 87                                                      | 89                                                      |
| 102                   | 60                   | 48                   | 69                                                         | 69                                                        | 58                                                         | *                                                        | 92                                                     | 52                                                     | 87                                                      | 87                                                      | 85                                                      | 88                                                      |
| 103                   | 61                   | 9                    | 70                                                         | 70                                                        | 57                                                         | *                                                        | 93                                                     | 53                                                     | 84                                                      | 84                                                      | 83                                                      | 87                                                      |
| 104                   | 61                   | 31                   | 70                                                         | 70                                                        | 57                                                         | *                                                        | 92                                                     | 51                                                     | 73                                                      | 84                                                      | 84                                                      | 86                                                      |
| 105                   | 61                   | 52                   | 70                                                         | 71                                                        | 58                                                         | *                                                        | 92                                                     | 53                                                     | 73                                                      | 83                                                      | 82                                                      | 86                                                      |
| 106                   | 61                   | 11                   | 71                                                         | 72                                                        | 58                                                         | *                                                        | 93                                                     | 53                                                     | 73                                                      | 84                                                      | 83                                                      | 86                                                      |
| 107                   | 62                   | 34                   | 71                                                         | 72                                                        | 58                                                         | *                                                        | 94                                                     | 53                                                     | 73                                                      | 84                                                      | 83                                                      | 86                                                      |
| 108                   | 62                   | 56                   | 70                                                         | 72                                                        | 59                                                         | *                                                        | 94                                                     | 53                                                     | 77                                                      | 87                                                      | 87                                                      | 87                                                      |
| 109                   | 63                   | 17                   | 71                                                         | 72                                                        | 59                                                         | *                                                        | 95                                                     | 53                                                     | 76                                                      | 87                                                      | 85                                                      | 87                                                      |
| 110                   | 63                   | 38                   | 72                                                         | 72                                                        | 60                                                         | *                                                        | 96                                                     | 53                                                     | 79                                                      | 88                                                      | 87                                                      | 89                                                      |
| 111                   | 63                   | 59                   | 72                                                         | 73                                                        | 60                                                         | *                                                        | 97                                                     | 53                                                     | 79                                                      | 88                                                      | 87                                                      | 89                                                      |
| 112                   | 64                   | 21                   | 73                                                         | 73                                                        | 62                                                         | *                                                        | 97                                                     | 54                                                     | 82                                                      | 92                                                      | 92                                                      | 93                                                      |
| 113                   | 64                   | 42                   | 73                                                         | 73                                                        | 62                                                         | *                                                        | 97                                                     | 54                                                     | 91                                                      | 92                                                      | 91                                                      | 93                                                      |
| 114                   | 65                   | 3                    | 74                                                         | 74                                                        | *                                                          | *                                                        | 98                                                     | 54                                                     | 81                                                      | 92                                                      | 91                                                      | 93                                                      |
| 115                   | 65                   | 24                   | 74                                                         | 75                                                        | 63                                                         | *                                                        | 100                                                    | 55                                                     | 81                                                      | 92                                                      | 91                                                      | 93                                                      |
| 116                   | 65                   | 46                   | 74                                                         | 76                                                        | 63                                                         | *                                                        | 99                                                     | 55                                                     | 80                                                      | 93                                                      | 90                                                      | 93                                                      |
| 117                   | 66                   | 7                    | 75                                                         | 76                                                        | 62                                                         | *                                                        | 99                                                     | 54                                                     | 77                                                      | 88                                                      | 87                                                      | 91                                                      |
| 118                   | 66                   | 28                   | 74                                                         | 76                                                        | 62                                                         | *                                                        | 99                                                     | 54                                                     | 76                                                      | 87                                                      | 86                                                      | 89                                                      |
| 119                   | 66                   | 49                   | 74                                                         | 77                                                        | 62                                                         | *                                                        | 99                                                     | 54                                                     | 74                                                      | 85                                                      | 85                                                      | 88                                                      |
| 120                   | 67                   | 11                   | 76                                                         | 78                                                        | 63                                                         | *                                                        | 100                                                    | 54                                                     | 84                                                      | 93                                                      | 92                                                      | 94                                                      |
| 121                   | 67                   | 32                   | *                                                          | *                                                         | 63                                                         | *                                                        | 102                                                    | 52                                                     | 89                                                      | 102                                                     | 99                                                      | 100                                                     |
| 122                   | 67                   | 53                   | 78                                                         | 82                                                        | 63                                                         | *                                                        | 102                                                    | 51                                                     | 89                                                      | 105                                                     | 102                                                     | 103                                                     |
| 123                   | 67                   | 15                   | 79                                                         | 84                                                        | 64                                                         | *                                                        | 104                                                    | 49                                                     | 90                                                      | 106                                                     | 106                                                     | 105                                                     |
| 124                   | 68                   | 36                   | 80                                                         | 86                                                        | 64                                                         | *                                                        | 105                                                    | 49                                                     | 92                                                      | 109                                                     | 106                                                     | 106                                                     |
| 125                   | 68                   | 57                   | 81                                                         | 88                                                        | 66                                                         | *                                                        | 107                                                    | 49                                                     | 93                                                      | 110                                                     | 108                                                     | 108                                                     |
| 126                   | 67                   | 18                   | 82                                                         | 91                                                        | 66                                                         | *                                                        | 107                                                    | 49                                                     | 93                                                      | 112                                                     | 109                                                     | 109                                                     |
|                       |                      |                      |                                                            |                                                           |                                                            |                                                          |                                                        |                                                        |                                                         | 112                                                     | 110                                                     | 110                                                     |

| -81<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG.2<br>IGNIT<br>MOUNT<br>TEMP<br>DEG.C | 0-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>INBD<br>DEG.C | 0-07<br>ENG.2<br>IGNIT<br>EXCITR<br>OUTBD<br>TEMP<br>DEG.C | 0-08<br>ENG.2<br>FUEL<br>CONTROL<br>CASE<br>TEMP<br>DEG.C | 0-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG.2<br>COMPS<br>CSE<br>STG.2<br>4.30<br>DEG.C | 0-12<br>ENG.2<br>COMPS<br>CSE<br>STG.2<br>3.88<br>DEG.C | 0-13<br>ENG.2<br>COMPS<br>CSE<br>STG.3<br>4.30<br>DEG.C | 0-14<br>ENG.2<br>COMPS<br>CSE<br>STG.3<br>6.80<br>DEG.C |
|-----------------------|----------------------|----------------------|--------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 127                   | 69                   | 40                   | 92                                               | 93                                                        | 67                                                         | *                                                         | 110                                                    | 48                                                     | 93                                                      | 111                                                     | 109                                                     | 111                                                     |
| 128                   | 70                   | 1                    | 83                                               | 94                                                        | 67                                                         | *                                                         | 110                                                    | 48                                                     | 93                                                      | 112                                                     | 109                                                     | 110                                                     |
| 129                   | 70                   | 22                   | 85                                               | 96                                                        | 68                                                         | *                                                         | 110                                                    | 48                                                     | 96                                                      | 113                                                     | 112                                                     | 112                                                     |
| 130                   | 70                   | 43                   | 87                                               | 97                                                        | 69                                                         | *                                                         | 112                                                    | 48                                                     | 93                                                      | 113                                                     | 111                                                     | 112                                                     |
| 131                   | 71                   | 5                    | 88                                               | 98                                                        | 69                                                         | *                                                         | 113                                                    | 49                                                     | 92                                                      | 112                                                     | 110                                                     | 112                                                     |
| 132                   | 71                   | 23                   | 87                                               | 99                                                        | 70                                                         | *                                                         | 113                                                    | 49                                                     | *                                                       | 112                                                     | 109                                                     | 111                                                     |
| 133                   | 71                   | 47                   | 89                                               | 101                                                       | 71                                                         | *                                                         | 113                                                    | 49                                                     | 92                                                      | 110                                                     | 108                                                     | 110                                                     |
| 134                   | 72                   | 6                    | 89                                               | 102                                                       | 71                                                         | *                                                         | 113                                                    | 48                                                     | 96                                                      | 113                                                     | 110                                                     | 112                                                     |
| 135                   | 72                   | 30                   | 92                                               | 102                                                       | 72                                                         | *                                                         | 113                                                    | 48                                                     | 95                                                      | 113                                                     | 111                                                     | 113                                                     |
| 136                   | 72                   | 51                   | 91                                               | 103                                                       | 71                                                         | *                                                         | 113                                                    | 48                                                     | 92                                                      | 112                                                     | 109                                                     | 112                                                     |
| 137                   | 73                   | 12                   | 92                                               | 104                                                       | 71                                                         | *                                                         | 115                                                    | 48                                                     | 91                                                      | 110                                                     | 107                                                     | 111                                                     |
| 138                   | 73                   | 33                   | 92                                               | 105                                                       | 72                                                         | *                                                         | 114                                                    | 49                                                     | 96                                                      | 113                                                     | 112                                                     | 113                                                     |
| 139                   | 73                   | 55                   | 94                                               | 107                                                       | 74                                                         | *                                                         | 115                                                    | 49                                                     | 93                                                      | 113                                                     | 112                                                     | 113                                                     |
| 140                   | 74                   | 16                   | 93                                               | 107                                                       | 74                                                         | *                                                         | 116                                                    | 49                                                     | 92                                                      | 113                                                     | 110                                                     | 113                                                     |
| 141                   | *                    | *                    | *                                                | *                                                         | *                                                          | *                                                         | *                                                      | *                                                      | *                                                       | *                                                       | *                                                       | *                                                       |
| 142                   | *                    | 56                   | 95                                               | 108                                                       | 74                                                         | *                                                         | 116                                                    | 48                                                     | 92                                                      | 112                                                     | 110                                                     | 113                                                     |
| 143                   | 75                   | 20                   | 95                                               | 109                                                       | 74                                                         | *                                                         | 116                                                    | 48                                                     | 91                                                      | 111                                                     | 109                                                     | 112                                                     |
| 144                   | 75                   | 41                   | 95                                               | 111                                                       | 73                                                         | *                                                         | 115                                                    | 48                                                     | 91                                                      | 110                                                     | 108                                                     | 111                                                     |
| 145                   | 76                   | 2                    | 96                                               | 110                                                       | 74                                                         | *                                                         | 115                                                    | 48                                                     | 93                                                      | 112                                                     | 108                                                     | 111                                                     |
| 146                   | 76                   | 23                   | 96                                               | 111                                                       | 75                                                         | *                                                         | 116                                                    | 48                                                     | 93                                                      | 112                                                     | 111                                                     | 112                                                     |
| 147                   | 76                   | 45                   | 96                                               | 111                                                       | 75                                                         | *                                                         | *                                                      | *                                                      | *                                                       | 113                                                     | 111                                                     | 113                                                     |
| 148                   | 77                   | 6                    | 96                                               | 111                                                       | 76                                                         | *                                                         | 116                                                    | 49                                                     | 97                                                      | 116                                                     | 113                                                     | 115                                                     |
| 149                   | 77                   | 27                   | 96                                               | 112                                                       | 77                                                         | *                                                         | 116                                                    | 49                                                     | 108                                                     | 117                                                     | 116                                                     | 117                                                     |
| 150                   | 77                   | 40                   | 97                                               | 111                                                       | 77                                                         | *                                                         | 117                                                    | 50                                                     | 96                                                      | 116                                                     | 113                                                     | 116                                                     |
| 151                   | 78                   | 10                   | 97                                               | 114                                                       | 77                                                         | *                                                         | 117                                                    | 49                                                     | 97                                                      | *                                                       | *                                                       | *                                                       |
| 152                   | 78                   | 31                   | 98                                               | 113                                                       | 77                                                         | *                                                         | 119                                                    | 49                                                     | 95                                                      | 114                                                     | 113                                                     | 116                                                     |
| 153                   | 78                   | 52                   | 100                                              | 113                                                       | 78                                                         | *                                                         | 118                                                    | 49                                                     | 93                                                      | 113                                                     | 111                                                     | 113                                                     |
| 154                   | *                    | 11                   | 99                                               | 115                                                       | 77                                                         | *                                                         | 118                                                    | 49                                                     | 95                                                      | 113                                                     | 111                                                     | 113                                                     |
| 155                   | 79                   | 35                   | 100                                              | 115                                                       | 79                                                         | *                                                         | 120                                                    | 50                                                     | 95                                                      | 115                                                     | 113                                                     | 113                                                     |
| 156                   | 79                   | 56                   | 100                                              | 116                                                       | 78                                                         | *                                                         | 118                                                    | 50                                                     | 92                                                      | 111                                                     | 108                                                     | 113                                                     |
| 157                   | *                    | 15                   | 100                                              | 116                                                       | 78                                                         | *                                                         | 119                                                    | 49                                                     | 91                                                      | 110                                                     | 108                                                     | 113                                                     |
| 158                   | 80                   | 38                   | 101                                              | 117                                                       | 79                                                         | *                                                         | 119                                                    | 50                                                     | 96                                                      | 114                                                     | 112                                                     | 114                                                     |
| 159                   | 81                   | 0                    | 101                                              | 116                                                       | 79                                                         | *                                                         | 119                                                    | 50                                                     | 94                                                      | 112                                                     | 113                                                     | 114                                                     |
| 160                   | 81                   | 21                   | 101                                              | 117                                                       | 79                                                         | *                                                         | 118                                                    | 49                                                     | 95                                                      | 115                                                     | 113                                                     | 114                                                     |
| 161                   | 81                   | 43                   | 101                                              | 117                                                       | 80                                                         | *                                                         | 118                                                    | 48                                                     | 92                                                      | 113                                                     | 111                                                     | 113                                                     |
| 162                   | 82                   | 4                    | 101                                              | 118                                                       | 79                                                         | *                                                         | 118                                                    | 49                                                     | 92                                                      | 113                                                     | 111                                                     | 113                                                     |
| 163                   | 82                   | 25                   | 102                                              | 117                                                       | 80                                                         | *                                                         | 118                                                    | 48                                                     | 101                                                     | 117                                                     | 114                                                     | 116                                                     |
| 164                   | 82                   | 47                   | 102                                              | 118                                                       | 81                                                         | *                                                         | 119                                                    | 50                                                     | 102                                                     | 121                                                     | 117                                                     | 119                                                     |
| 165                   | 83                   | 8                    | 103                                              | 118                                                       | 81                                                         | *                                                         | 119                                                    | 50                                                     | 98                                                      | 117                                                     | 115                                                     | 116                                                     |
| 166                   | 83                   | 29                   | 102                                              | 119                                                       | 80                                                         | *                                                         | 121                                                    | 49                                                     | 94                                                      | 115                                                     | 113                                                     | 114                                                     |
| 167                   | 83                   | 51                   | 103                                              | 115                                                       | 81                                                         | *                                                         | 121                                                    | 49                                                     | 97                                                      | 116                                                     | 113                                                     | 117                                                     |
| 168                   | 84                   | 12                   | 104                                              | 120                                                       | 83                                                         | *                                                         | 118                                                    | 49                                                     | 103                                                     | 121                                                     | 119                                                     | 118                                                     |
| 169                   | 84                   | 33                   | 104                                              | 120                                                       | 82                                                         | *                                                         | 122                                                    | 50                                                     | 101                                                     | 121                                                     | 117                                                     | 121                                                     |
| 170                   | 85                   | 55                   | 106                                              | 120                                                       | 83                                                         | *                                                         | 122                                                    | 50                                                     | 101                                                     | 122                                                     | 118                                                     | 120                                                     |
| 171                   | 85                   | 16                   | 107                                              | 121                                                       | 84                                                         | *                                                         | 123                                                    | 51                                                     | 101                                                     | 121                                                     | 119                                                     | 121                                                     |
| 172                   | 85                   | 37                   | 105                                              | 121                                                       | 84                                                         | *                                                         | 124                                                    | 50                                                     | 102                                                     | 123                                                     | 121                                                     | 121                                                     |
| 173                   | 86                   | 59                   | 107                                              | 122                                                       | 85                                                         | *                                                         | 124                                                    | 51                                                     | 102                                                     | 123                                                     | 120                                                     | 122                                                     |
| 174                   | 86                   | 20                   | 108                                              | 122                                                       | 85                                                         | *                                                         | 124                                                    | 51                                                     | 105                                                     | 124                                                     | 121                                                     | 123                                                     |
| 175                   | 86                   | 41                   | 108                                              | 125                                                       | 85                                                         | *                                                         | 127                                                    | 51                                                     | 105                                                     | 124                                                     | 123                                                     | 124                                                     |
| 176                   | 87                   | 3                    | 104                                              | 124                                                       | 86                                                         | *                                                         | 126                                                    | 52                                                     | 104                                                     | 125                                                     | 121                                                     | 125                                                     |



| -01<br>SNEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 0-06<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>IMBD<br>OUTBD<br>DEG.C | 0-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 0-08<br>ENG.2<br>FUEL<br>CONTR<br>CASE<br>TEMP<br>DEG.C | 0-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 0-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 0-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 0-14<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 177                   | 87                   | 24                   | 110                                                        | 125                                                                | 87                                                         | *                                                       | 127                                                    | 50                                                     | 105                                                     | 125                                                     | 122                                                     | 125                                                     |
| 178                   | 87                   | 46                   | 110                                                        | 126                                                                | 87                                                         | *                                                       | 128                                                    | 52                                                     | 103                                                     | 126                                                     | 121                                                     | 125                                                     |
| 179                   | 88                   | 7                    | 111                                                        | 126                                                                | 88                                                         | *                                                       | 129                                                    | 51                                                     | 104                                                     | 124                                                     | 121                                                     | 124                                                     |
| 180                   | 88                   | 29                   | 111                                                        | 126                                                                | 88                                                         | *                                                       | 127                                                    | 50                                                     | 104                                                     | 124                                                     | 121                                                     | 124                                                     |
| 181                   | 88                   | 50                   | 112                                                        | 126                                                                | 89                                                         | *                                                       | 127                                                    | 52                                                     | 104                                                     | 123                                                     | 122                                                     | 123                                                     |
| 182                   | 89                   | 11                   | 113                                                        | 126                                                                | 89                                                         | *                                                       | 128                                                    | 52                                                     | 103                                                     | 123                                                     | 121                                                     | 122                                                     |
| 183                   | 89                   | 33                   | 113                                                        | 130                                                                | 89                                                         | *                                                       | 127                                                    | 53                                                     | 99                                                      | 122                                                     | 119                                                     | 122                                                     |
| 184                   | 89                   | 54                   | 113                                                        | 129                                                                | 88                                                         | *                                                       | 128                                                    | 51                                                     | 96                                                      | 118                                                     | 118                                                     | 117                                                     |
| 185                   | 90                   | 15                   | 114                                                        | 129                                                                | 86                                                         | *                                                       | 121                                                    | 51                                                     | 92                                                      | 112                                                     | 118                                                     | 114                                                     |
| 186                   | 90                   | 36                   | 113                                                        | 129                                                                | 84                                                         | *                                                       | 111                                                    | 50                                                     | 90                                                      | 107                                                     | 102                                                     | 112                                                     |
| 187                   | *                    | 55                   | 115                                                        | 129                                                                | 84                                                         | *                                                       | 116                                                    | 51                                                     | 89                                                      | 106                                                     | 97                                                      | 101                                                     |
| 188                   | 91                   | 19                   | 114                                                        | 125                                                                | 87                                                         | *                                                       | 113                                                    | 50                                                     | 85                                                      | 101                                                     | 92                                                      | 89                                                      |
| 189                   | 91                   | 40                   | 113                                                        | 119                                                                | 87                                                         | *                                                       | 110                                                    | 51                                                     | 82                                                      | 97                                                      | 88                                                      | 84                                                      |
| 190                   | 92                   | 1                    | 112                                                        | 117                                                                | 86                                                         | *                                                       | 108                                                    | 51                                                     | 82                                                      | 96                                                      | 87                                                      | 80                                                      |
| 191                   | 92                   | 22                   | 109                                                        | 110                                                                | 85                                                         | *                                                       | 107                                                    | 50                                                     | 82                                                      | 95                                                      | 86                                                      | 80                                                      |
| 192                   | 92                   | 43                   | 106                                                        | 106                                                                | 83                                                         | *                                                       | 104                                                    | 50                                                     | 81                                                      | 95                                                      | 85                                                      | 78                                                      |
| 193                   | *                    | 1                    | 102                                                        | 102                                                                | 79                                                         | *                                                       | 103                                                    | 51                                                     | 78                                                      | 92                                                      | 82                                                      | 76                                                      |
| 194                   | 93                   | 25                   | 99                                                         | 99                                                                 | 76                                                         | *                                                       | 102                                                    | 51                                                     | 76                                                      | 87                                                      | 80                                                      | 75                                                      |
| 195                   | *                    | 43                   | 99                                                         | 96                                                                 | 74                                                         | *                                                       | 100                                                    | 50                                                     | 79                                                      | 90                                                      | 82                                                      | 78                                                      |
| 196                   | 94                   | 7                    | 96                                                         | 94                                                                 | 71                                                         | *                                                       | 99                                                     | 51                                                     | 79                                                      | 92                                                      | 83                                                      | 80                                                      |
| 197                   | 94                   | 28                   | 95                                                         | 93                                                                 | 71                                                         | *                                                       | 100                                                    | 50                                                     | 84                                                      | 87                                                      | 87                                                      | 85                                                      |
| 198                   | 94                   | 50                   | 92                                                         | 92                                                                 | 72                                                         | *                                                       | 105                                                    | 50                                                     | 91                                                      | 102                                                     | 96                                                      | 98                                                      |
| 199                   | 95                   | 11                   | 92                                                         | 94                                                                 | 72                                                         | *                                                       | 107                                                    | 49                                                     | 91                                                      | 106                                                     | 101                                                     | 103                                                     |
| 200                   | 95                   | 32                   | 92                                                         | 96                                                                 | 73                                                         | *                                                       | 111                                                    | 49                                                     | 91                                                      | 108                                                     | 105                                                     | 107                                                     |
| 201                   | *                    | 51                   | 91                                                         | 98                                                                 | 72                                                         | *                                                       | 112                                                    | 49                                                     | 90                                                      | 108                                                     | 106                                                     | 110                                                     |
| 202                   | 96                   | 15                   | 91                                                         | 100                                                                | 73                                                         | *                                                       | 114                                                    | 50                                                     | 92                                                      | 111                                                     | 107                                                     | 111                                                     |
| 203                   | 96                   | 36                   | 92                                                         | 102                                                                | 73                                                         | *                                                       | 116                                                    | 50                                                     | 91                                                      | 109                                                     | 107                                                     | 111                                                     |
| 204                   | 96                   | 58                   | 92                                                         | 104                                                                | 73                                                         | *                                                       | 116                                                    | 50                                                     | 91                                                      | 110                                                     | 108                                                     | 112                                                     |
| 205                   | 97                   | 19                   | 93                                                         | 105                                                                | 74                                                         | *                                                       | 115                                                    | 50                                                     | 92                                                      | 110                                                     | 109                                                     | 113                                                     |
| 206                   | 97                   | 40                   | 93                                                         | 107                                                                | 74                                                         | *                                                       | 117                                                    | 49                                                     | 90                                                      | 110                                                     | 109                                                     | 112                                                     |
| 207                   | 98                   | 2                    | 94                                                         | 108                                                                | 74                                                         | *                                                       | 118                                                    | 49                                                     | 92                                                      | 110                                                     | 108                                                     | 113                                                     |
| 208                   | 98                   | 23                   | 95                                                         | 109                                                                | 74                                                         | *                                                       | 119                                                    | 49                                                     | 91                                                      | 109                                                     | 109                                                     | 113                                                     |
| 209                   | 98                   | 44                   | 94                                                         | 110                                                                | 75                                                         | *                                                       | 119                                                    | 50                                                     | 91                                                      | 109                                                     | 108                                                     | 113                                                     |
| 210                   | 99                   | 6                    | 96                                                         | 112                                                                | 75                                                         | *                                                       | 120                                                    | 50                                                     | 92                                                      | 109                                                     | 107                                                     | 113                                                     |
| 211                   | 99                   | 27                   | 96                                                         | 113                                                                | 75                                                         | *                                                       | 120                                                    | 50                                                     | 92                                                      | 109                                                     | 107                                                     | 111                                                     |
| 212                   | 99                   | 48                   | 97                                                         | 114                                                                | 76                                                         | *                                                       | 118                                                    | 50                                                     | 92                                                      | 109                                                     | 107                                                     | 111                                                     |
| 213                   | 100                  | 10                   | 97                                                         | 115                                                                | 76                                                         | *                                                       | 119                                                    | 49                                                     | 90                                                      | 109                                                     | 106                                                     | 111                                                     |
| 214                   | 100                  | 31                   | 97                                                         | 116                                                                | 76                                                         | *                                                       | 119                                                    | 49                                                     | 91                                                      | 109                                                     | 107                                                     | 112                                                     |
| 215                   | 100                  | 52                   | 98                                                         | 117                                                                | 77                                                         | *                                                       | 119                                                    | 50                                                     | 91                                                      | 108                                                     | 107                                                     | 111                                                     |
| 216                   | *                    | 11                   | 99                                                         | 117                                                                | 77                                                         | *                                                       | 118                                                    | 49                                                     | 90                                                      | 108                                                     | 106                                                     | 112                                                     |
| 217                   | 101                  | 35                   | 98                                                         | 117                                                                | 77                                                         | *                                                       | 116                                                    | 49                                                     | 90                                                      | 108                                                     | 106                                                     | 112                                                     |
| 218                   | 101                  | 56                   | 99                                                         | 117                                                                | 78                                                         | *                                                       | 116                                                    | 49                                                     | 91                                                      | 110                                                     | 107                                                     | 112                                                     |
| 219                   | 102                  | 14                   | 100                                                        | 118                                                                | 77                                                         | *                                                       | 118                                                    | 49                                                     | 91                                                      | 108                                                     | 107                                                     | 111                                                     |
| 220                   | *                    | 37                   | 99                                                         | 118                                                                | 78                                                         | *                                                       | 119                                                    | 49                                                     | 91                                                      | 109                                                     | 107                                                     | 112                                                     |
| 221                   | 103                  | 1                    | 100                                                        | 118                                                                | 78                                                         | *                                                       | 119                                                    | 49                                                     | 90                                                      | 109                                                     | 107                                                     | 112                                                     |
| 222                   | 103                  | 22                   | 99                                                         | 118                                                                | 77                                                         | *                                                       | 117                                                    | 48                                                     | 90                                                      | 108                                                     | 106                                                     | 111                                                     |
| 223                   | *                    | 41                   | 100                                                        | 120                                                                | 78                                                         | *                                                       | 120                                                    | 48                                                     | 90                                                      | 108                                                     | 106                                                     | 112                                                     |
| 224                   | 104                  | 5                    | 100                                                        | 119                                                                | 78                                                         | *                                                       | 120                                                    | 48                                                     | 89                                                      | 108                                                     | 106                                                     | 111                                                     |
| 225                   | 104                  | 20                   | 101                                                        | 120                                                                | 79                                                         | *                                                       | 119                                                    | 49                                                     | 89                                                      | 108                                                     | 105                                                     | 111                                                     |
| 226                   | *                    | 45                   | 101                                                        | 120                                                                | 79                                                         | *                                                       | 119                                                    | 49                                                     | 92                                                      | 112                                                     | 108                                                     | 113                                                     |

| -01<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-05<br>ENG.2<br>IGNIT<br>CYCLES<br>TEMP<br>DEG.C | 0-06<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>IMBD<br>DEG.C | 0-07<br>ENG.2<br>IGNIT<br>EXCITER<br>SKIN<br>OUTBD<br>DEG.C | 0-08<br>ENG.2<br>FUEL<br>CONTR<br>CASE<br>TEMP<br>DEG.C | 0-09<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 0-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>%30<br>DEG.C | 0-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 0-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 0-14<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 227                   | 105                  | 9                    | 101                                               | 119                                                        | 80                                                          | *                                                       | 119                                                    | 49                                                     | 92                                                     | 112                                                     | 109                                                     | 113                                                     |
| 228                   | 105                  | 30                   | 101                                               | 119                                                        | 80                                                          | *                                                       | 120                                                    | 49                                                     | 93                                                     | 112                                                     | 109                                                     | 113                                                     |
| 229                   | 105                  | 51                   | 101                                               | 120                                                        | 80                                                          | *                                                       | 120                                                    | 49                                                     | 93                                                     | 111                                                     | 110                                                     | 114                                                     |
| 230                   | *                    | 10                   | 102                                               | 121                                                        | 81                                                          | *                                                       | 119                                                    | 48                                                     | 93                                                     | 112                                                     | 112                                                     | 114                                                     |
| 231                   | 106                  | 34                   | 102                                               | 121                                                        | 81                                                          | *                                                       | 120                                                    | 49                                                     | 94                                                     | 114                                                     | 112                                                     | 115                                                     |
| 232                   | 106                  | 55                   | 103                                               | 122                                                        | 82                                                          | *                                                       | 120                                                    | 49                                                     | 94                                                     | 113                                                     | 112                                                     | 116                                                     |
| 233                   | 107                  | 17                   | 104                                               | 122                                                        | 81                                                          | *                                                       | 121                                                    | 48                                                     | 93                                                     | 112                                                     | 112                                                     | 115                                                     |
| 234                   | 107                  | 30                   | 105                                               | 123                                                        | 82                                                          | *                                                       | 122                                                    | 48                                                     | 93                                                     | 112                                                     | 111                                                     | 115                                                     |
| 235                   | 107                  | 59                   | 104                                               | 124                                                        | 84                                                          | *                                                       | 121                                                    | 49                                                     | 93                                                     | 113                                                     | 111                                                     | 114                                                     |
| 236                   | 106                  | 21                   | 105                                               | 125                                                        | 82                                                          | *                                                       | 122                                                    | 48                                                     | 94                                                     | 113                                                     | 112                                                     | 115                                                     |
| 237                   | *                    | 40                   | 106                                               | 125                                                        | 83                                                          | *                                                       | 122                                                    | 49                                                     | 92                                                     | 112                                                     | 113                                                     | 115                                                     |
| 238                   | 109                  | 3                    | 106                                               | 125                                                        | 83                                                          | *                                                       | 122                                                    | 49                                                     | 92                                                     | 113                                                     | 111                                                     | 115                                                     |
| 239                   | 109                  | 25                   | 106                                               | 126                                                        | 84                                                          | *                                                       | 122                                                    | 49                                                     | 93                                                     | 112                                                     | 111                                                     | 114                                                     |
| 240                   | 109                  | 46                   | 106                                               | 126                                                        | 85                                                          | *                                                       | 122                                                    | 49                                                     | 93                                                     | 112                                                     | 110                                                     | 114                                                     |
| 241                   | 110                  | 7                    | 107                                               | 126                                                        | 83                                                          | *                                                       | 121                                                    | 49                                                     | 93                                                     | 110                                                     | 111                                                     | 114                                                     |
| 242                   | 110                  | 29                   | 107                                               | 126                                                        | 94                                                          | *                                                       | 121                                                    | 49                                                     | 92                                                     | 112                                                     | 109                                                     | 114                                                     |
| 243                   | 110                  | 50                   | 107                                               | 126                                                        | 84                                                          | *                                                       | 121                                                    | 49                                                     | 93                                                     | 112                                                     | 109                                                     | 114                                                     |
| 244                   | 111                  | 12                   | 106                                               | 125                                                        | 84                                                          | *                                                       | 121                                                    | 50                                                     | 91                                                     | 112                                                     | 111                                                     | 115                                                     |
| 245                   | 111                  | 33                   | 107                                               | 127                                                        | 84                                                          | *                                                       | 121                                                    | 49                                                     | 92                                                     | 112                                                     | 111                                                     | 115                                                     |
| 246                   | 111                  | 54                   | 107                                               | 126                                                        | 84                                                          | *                                                       | 121                                                    | 49                                                     | 93                                                     | 112                                                     | 111                                                     | 114                                                     |
| 247                   | 112                  | 16                   | 107                                               | 127                                                        | 85                                                          | *                                                       | 122                                                    | 49                                                     | 93                                                     | 113                                                     | 110                                                     | 114                                                     |
| 248                   | 112                  | 37                   | 108                                               | 127                                                        | 85                                                          | *                                                       | 121                                                    | 49                                                     | 95                                                     | 113                                                     | 113                                                     | 116                                                     |
| 249                   | 112                  | 58                   | 108                                               | 128                                                        | 85                                                          | *                                                       | 122                                                    | 50                                                     | 91                                                     | 111                                                     | 110                                                     | 114                                                     |
| 250                   | 113                  | 20                   | 109                                               | 128                                                        | 85                                                          | *                                                       | 121                                                    | 50                                                     | 92                                                     | 110                                                     | 108                                                     | 113                                                     |
| 251                   | *                    | 38                   | 107                                               | 126                                                        | 84                                                          | *                                                       | 120                                                    | 49                                                     | 93                                                     | 110                                                     | 109                                                     | 112                                                     |
| 252                   | *                    | 59                   | 107                                               | 126                                                        | 83                                                          | *                                                       | 117                                                    | 50                                                     | 85                                                     | 105                                                     | 104                                                     | 107                                                     |
| 253                   | *                    | 20                   | 106                                               | 124                                                        | 82                                                          | *                                                       | 114                                                    | 52                                                     | 76                                                     | 92                                                      | 94                                                      | 100                                                     |
| 254                   | 114                  | 44                   | 105                                               | 125                                                        | 81                                                          | *                                                       | 113                                                    | 52                                                     | 76                                                     | 69                                                      | 89                                                      | 95                                                      |
| 255                   | 115                  | 5                    | 106                                               | 123                                                        | 80                                                          | *                                                       | 111                                                    | 53                                                     | 77                                                     | 67                                                      | 87                                                      | 93                                                      |
| 256                   | *                    | 24                   | 107                                               | 121                                                        | 80                                                          | *                                                       | 110                                                    | 53                                                     | 79                                                     | 69                                                      | 89                                                      | 93                                                      |
| 257                   | 115                  | 47                   | 105                                               | 119                                                        | 79                                                          | *                                                       | 108                                                    | 53                                                     | 82                                                     | 95                                                      | 91                                                      | 93                                                      |
| 258                   | *                    | 6                    | 107                                               | 117                                                        | 80                                                          | *                                                       | 107                                                    | 53                                                     | 86                                                     | 98                                                      | 93                                                      | 97                                                      |
| 259                   | 116                  | 30                   | 107                                               | 116                                                        | 75                                                          | *                                                       | 105                                                    | 51                                                     | 92                                                     | 105                                                     | 97                                                      | 103                                                     |
| 260                   | 116                  | 51                   | 107                                               | 115                                                        | 75                                                          | *                                                       | 106                                                    | 49                                                     | 89                                                     | 106                                                     | 104                                                     | 104                                                     |
| 261                   | 127                  | 12                   | 106                                               | 115                                                        | 74                                                          | *                                                       | 106                                                    | 46                                                     | 86                                                     | 103                                                     | 97                                                      | 103                                                     |
| 262                   | 127                  | 33                   | 105                                               | 114                                                        | 74                                                          | *                                                       | 103                                                    | 46                                                     | 84                                                     | 103                                                     | 93                                                      | 103                                                     |
| 263                   | 117                  | 54                   | 106                                               | 116                                                        | 73                                                          | *                                                       | 105                                                    | 49                                                     | 80                                                     | 101                                                     | 93                                                      | 102                                                     |
| 264                   | 118                  | 13                   | 106                                               | 116                                                        | 72                                                          | *                                                       | 104                                                    | 48                                                     | 80                                                     | 99                                                      | 91                                                      | 96                                                      |
| 265                   | 118                  | 36                   | 103                                               | 109                                                        | 71                                                          | *                                                       | 101                                                    | 49                                                     | 73                                                     | 90                                                      | 83                                                      | 81                                                      |
| 266                   | 118                  | 57                   | 99                                                | 104                                                        | 71                                                          | *                                                       | 99                                                     | 49                                                     | 73                                                     | 67                                                      | 79                                                      | 75                                                      |
| 267                   | 119                  | 16                   | 98                                                | 101                                                        | 72                                                          | *                                                       | 97                                                     | 49                                                     | 74                                                     | 65                                                      | 78                                                      | 72                                                      |
| 268                   | 119                  | 39                   | 96                                                | 97                                                         | 72                                                          | *                                                       | 97                                                     | 49                                                     | 74                                                     | 87                                                      | 78                                                      | 71                                                      |
| 269                   | 120                  | 0                    | 93                                                | 95                                                         | 71                                                          | *                                                       | 96                                                     | 50                                                     | 74                                                     | 85                                                      | 78                                                      | 71                                                      |
| 270                   | *                    | 19                   | 92                                                | 91                                                         | 68                                                          | *                                                       | 93                                                     | 50                                                     | 75                                                     | 87                                                      | 76                                                      | 73                                                      |
| 271                   | 120                  | 42                   | 91                                                | 89                                                         | 73                                                          | *                                                       | 92                                                     | 49                                                     | 77                                                     | 64                                                      | 69                                                      | 69                                                      |
| 272                   | 121                  | 3                    | 92                                                | 86                                                         | 77                                                          | *                                                       | 92                                                     | 49                                                     | 80                                                     | 88                                                      | 80                                                      | 73                                                      |
| 273                   | 121                  | 24                   | 93                                                | 83                                                         | 80                                                          | *                                                       | 93                                                     | 49                                                     | 80                                                     | 93                                                      | 82                                                      | 76                                                      |
| 274                   | 121                  | 45                   | 93                                                | 83                                                         | 81                                                          | *                                                       | 92                                                     | 49                                                     | 80                                                     | 94                                                      | 84                                                      | 77                                                      |
| 275                   | 122                  | 6                    | 94                                                | 83                                                         | 82                                                          | *                                                       | 94                                                     | 49                                                     | 81                                                     | 94                                                      | 87                                                      | 78                                                      |
| 276                   | *                    | 25                   | 94                                                | 83                                                         | 83                                                          | *                                                       | 92                                                     | 49                                                     | 82                                                     | 96                                                      | 85                                                      | 78                                                      |

| -01<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-05<br>ENG.2<br>IGNIT<br>EXCITR<br>MOUNT<br>TEMP<br>DEG.C | 8-06<br>ENG.2<br>IGNIT<br>EXCITR<br>IMBD<br>DEG.C | 8-07<br>ENG.2<br>IGNIT<br>EXCITR<br>SKIN<br>OUTBD<br>DEG.C | 8-08<br>ENG.2<br>FUEL<br>CONTRL<br>CASE<br>TEMP<br>DEG.C | 8-09<br>ENG.2<br>LUBE<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-10<br>ENG.2<br>FUEL<br>PUMP<br>CASE<br>TEMP<br>DEG.C | 8-11<br>ENG.2<br>COMPR<br>CSE<br>STG.2<br>4.30<br>DEG.C | 8-12<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>3.00<br>DEG.C | 8-13<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>4.30<br>DEG.C | 8-14<br>ENG.2<br>COMPR<br>CSE<br>STG.3<br>6.00<br>DEG.C |
|-----------------------|----------------------|----------------------|------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 277                   | 122                  | 48                   | 95                                                         | 84                                                | 83                                                         | *                                                        | 92                                                     | 50                                                     | 80                                                      | 94                                                      | 85                                                      | 76                                                      |
| 278                   | 123                  | 9                    | 90                                                         | 83                                                | 75                                                         | *                                                        | 94                                                     | 51                                                     | 75                                                      | 88                                                      | 88                                                      | 74                                                      |
| 279                   | 123                  | 30                   | 87                                                         | 81                                                | 70                                                         | *                                                        | 94                                                     | 49                                                     | 79                                                      | 88                                                      | 82                                                      | 81                                                      |
| 280                   | 123                  | 52                   | 88                                                         | 82                                                | 70                                                         | *                                                        | 95                                                     | 50                                                     | 83                                                      | 95                                                      | 89                                                      | 86                                                      |
| 281                   | 124                  | 13                   | 87                                                         | 83                                                | 69                                                         | *                                                        | 94                                                     | 49                                                     | 85                                                      | 99                                                      | 92                                                      | 94                                                      |
| 282                   | 124                  | 34                   | 89                                                         | 83                                                | 71                                                         | *                                                        | 96                                                     | 50                                                     | 84                                                      | 100                                                     | 92                                                      | 89                                                      |
| 283                   | 124                  | 55                   | 90                                                         | 83                                                | 75                                                         | *                                                        | 96                                                     | 50                                                     | 82                                                      | 88                                                      | 88                                                      | 82                                                      |
| 284                   | 125                  | 16                   | 92                                                         | 84                                                | 77                                                         | *                                                        | 95                                                     | 49                                                     | 80                                                      | 96                                                      | 86                                                      | 80                                                      |
| 285                   | 125                  | 37                   | 91                                                         | 83                                                | 78                                                         | *                                                        | 94                                                     | 49                                                     | 82                                                      | 96                                                      | 86                                                      | 80                                                      |
| 286                   | 126                  | 56                   | 91                                                         | 82                                                | 77                                                         | *                                                        | 94                                                     | 49                                                     | 84                                                      | 100                                                     | 89                                                      | 85                                                      |
| 287                   | 126                  | 19                   | 93                                                         | 83                                                | 77                                                         | *                                                        | 95                                                     | 49                                                     | 82                                                      | 100                                                     | 90                                                      | 84                                                      |
| 288                   | 126                  | 40                   | 93                                                         | 84                                                | 79                                                         | *                                                        | 96                                                     | 48                                                     | 80                                                      | 96                                                      | 87                                                      | 80                                                      |
| 289                   | 127                  | 1                    | 93                                                         | 82                                                | 80                                                         | *                                                        | 94                                                     | 50                                                     | 80                                                      | 96                                                      | 84                                                      | 76                                                      |
| 290                   | 127                  | 22                   | 92                                                         | 82                                                | 80                                                         | *                                                        | 94                                                     | 49                                                     | 80                                                      | 95                                                      | 84                                                      | 76                                                      |
| 291                   | 127                  | 43                   | 92                                                         | 82                                                | 79                                                         | *                                                        | 94                                                     | 51                                                     | 80                                                      | 94                                                      | 83                                                      | 79                                                      |
| 292                   | 127                  | 2                    | 90                                                         | 80                                                | 73                                                         | *                                                        | 96                                                     | 52                                                     | 72                                                      | 88                                                      | 78                                                      | 78                                                      |
| 293                   | *                    | *                    | 87                                                         | 78                                                | 65                                                         | *                                                        | 98                                                     | 55                                                     | 64                                                      | 75                                                      | 73                                                      | 77                                                      |
| 294                   | *                    | 42                   | 85                                                         | 80                                                | 63                                                         | *                                                        | 96                                                     | 56                                                     | 65                                                      | 72                                                      | 71                                                      | 76                                                      |
| 295                   | *                    | 3                    | 83                                                         | 79                                                | 64                                                         | *                                                        | 93                                                     | 54                                                     | 84                                                      | 90                                                      | 83                                                      | 87                                                      |
| 296                   | 129                  | 27                   | 83                                                         | 80                                                | 64                                                         | *                                                        | 94                                                     | 52                                                     | 85                                                      | 96                                                      | 90                                                      | 93                                                      |
| 297                   | 129                  | 48                   | 84                                                         | 80                                                | 65                                                         | *                                                        | 95                                                     | 51                                                     | 86                                                      | 101                                                     | 92                                                      | 92                                                      |
| 298                   | 130                  | 9                    | 87                                                         | 80                                                | 67                                                         | *                                                        | 95                                                     | 51                                                     | 86                                                      | 101                                                     | 92                                                      | 94                                                      |
| 299                   | 130                  | 31                   | 87                                                         | 81                                                | 69                                                         | *                                                        | 95                                                     | 50                                                     | 85                                                      | 99                                                      | 89                                                      | 88                                                      |
| 300                   | 130                  | 52                   | 88                                                         | 80                                                | 73                                                         | *                                                        | 96                                                     | 52                                                     | 81                                                      | 97                                                      | 87                                                      | 83                                                      |
| 301                   | 131                  | 13                   | 88                                                         | 82                                                | 73                                                         | *                                                        | 96                                                     | 51                                                     | 78                                                      | 94                                                      | 82                                                      | 78                                                      |
| 302                   | 131                  | 34                   | 85                                                         | 82                                                | 66                                                         | *                                                        | 96                                                     | 52                                                     | 73                                                      | 87                                                      | 79                                                      | 74                                                      |
| 303                   | 131                  | 55                   | 82                                                         | 78                                                | 64                                                         | *                                                        | 94                                                     | 53                                                     | 73                                                      | 85                                                      | 76                                                      | 74                                                      |
| 304                   | 132                  | 16                   | 82                                                         | 78                                                | 64                                                         | *                                                        | 94                                                     | 52                                                     | 77                                                      | 87                                                      | 79                                                      | 76                                                      |
| 305                   | 132                  | 37                   | 80                                                         | 77                                                | 64                                                         | *                                                        | 96                                                     | 52                                                     | 81                                                      | 92                                                      | 85                                                      | 82                                                      |
| 306                   | 132                  | 58                   | 80                                                         | 78                                                | 65                                                         | *                                                        | 99                                                     | 51                                                     | 88                                                      | 101                                                     | 95                                                      | 93                                                      |
| 307                   | 133                  | 20                   | 81                                                         | 80                                                | 65                                                         | *                                                        | 103                                                    | 51                                                     | 84                                                      | 106                                                     | 100                                                     | 100                                                     |
| 308                   | 133                  | 41                   | 88                                                         | 82                                                | 65                                                         | *                                                        | 104                                                    | 49                                                     | 89                                                      | 106                                                     | 103                                                     | 104                                                     |
| 309                   | 134                  | 2                    | 83                                                         | 87                                                | 65                                                         | *                                                        | 104                                                    | 50                                                     | 90                                                      | 107                                                     | 104                                                     | 105                                                     |
| 310                   | 134                  | 23                   | 82                                                         | 87                                                | 65                                                         | *                                                        | 105                                                    | 51                                                     | 80                                                      | 98                                                      | 97                                                      | 100                                                     |
| 311                   | 134                  | 45                   | 83                                                         | 88                                                | 66                                                         | *                                                        | 104                                                    | 51                                                     | 77                                                      | 91                                                      | 90                                                      | 93                                                      |
| 312                   | 135                  | 3                    | 82                                                         | 88                                                | 66                                                         | *                                                        | 102                                                    | 53                                                     | 76                                                      | 87                                                      | 97                                                      | 91                                                      |
| 313                   | 135                  | 27                   | 83                                                         | 84                                                | 65                                                         | *                                                        | 102                                                    | 54                                                     | 74                                                      | 86                                                      | 85                                                      | 89                                                      |
| 314                   | 135                  | 48                   | 83                                                         | 83                                                | 65                                                         | *                                                        | 101                                                    | 54                                                     | 74                                                      | 84                                                      | 82                                                      | 87                                                      |
| 315                   | *                    | 7                    | 83                                                         | 87                                                | 65                                                         | *                                                        | 102                                                    | 54                                                     | 75                                                      | 84                                                      | 83                                                      | 87                                                      |
| 316                   | 136                  | 30                   | 82                                                         | 87                                                | 65                                                         | *                                                        | 101                                                    | 55                                                     | 75                                                      | 84                                                      | 83                                                      | 86                                                      |
| 317                   | 136                  | 52                   | 83                                                         | 87                                                | 65                                                         | *                                                        | 104                                                    | 55                                                     | 75                                                      | 84                                                      | 82                                                      | 86                                                      |
| 318                   | 137                  | 13                   | 83                                                         | 86                                                | 66                                                         | *                                                        | 101                                                    | 55                                                     | 73                                                      | 83                                                      | 82                                                      | 86                                                      |
| 319                   | 137                  | 34                   | 82                                                         | 86                                                | 65                                                         | *                                                        | 100                                                    | 55                                                     | 73                                                      | 83                                                      | 82                                                      | 86                                                      |
| 320                   | 137                  | 53                   | 83                                                         | 87                                                | 65                                                         | *                                                        | 100                                                    | 55                                                     | 73                                                      | 83                                                      | 82                                                      | 86                                                      |
| 321                   | 138                  | 17                   | 83                                                         | 88                                                | 66                                                         | *                                                        | 101                                                    | 57                                                     | 70                                                      | 82                                                      | 80                                                      | 85                                                      |
| 322                   | 138                  | 38                   | 85                                                         | 88                                                | 68                                                         | *                                                        | 108                                                    | 57                                                     | 63                                                      | 72                                                      | 72                                                      | 77                                                      |
| 323                   | 139                  | 57                   | 84                                                         | 87                                                | 68                                                         | *                                                        | 108                                                    | 58                                                     | 57                                                      | 65                                                      | 65                                                      | 70                                                      |
| 324                   | 139                  | 21                   | 85                                                         | 87                                                | 68                                                         | *                                                        | 108                                                    | 58                                                     | 55                                                      | 63                                                      | 63                                                      | 68                                                      |
| 325                   | 139                  | 42                   | 85                                                         | 87                                                | 71                                                         | *                                                        | 98                                                     | 60                                                     | 56                                                      | 61                                                      | 62                                                      | 65                                                      |
| 326                   | *                    | 0                    | 85                                                         | 87                                                | 72                                                         | *                                                        | 97                                                     | 60                                                     | 56                                                      | 61                                                      | 62                                                      | 64                                                      |



HM-53C S/N 60-10354  
DESERT TEST  
9 JULY 1971  
RUN NO. 9

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>3.00<br>DEG.C | 8-16<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>4.30<br>DEG.C | 8-17<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>8.00<br>DEG.C | 8-18<br>ENG.2<br>COMPR<br>CSE<br>STG.4<br>9.00<br>DEG.C | 8-19<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>3.00<br>DEG.C | 8-20<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPR<br>CSE<br>STG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS GN<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 6-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 32                    | 32                   | 27                   | 53                                                      | 52                                                      | 51                                                      | 52                                                      | 54                                                      | 52                                                      | 52                                                      | 51                                                       | 40                                                      | 49                                                       |
| 33                    | 33                   | 10                   | 54                                                      | 52                                                      | 51                                                      | 52                                                      | 54                                                      | 52                                                      | 52                                                      | 51                                                       | 40                                                      | 49                                                       |
| 34                    | 34                   | 1                    | 54                                                      | 53                                                      | 52                                                      | 52                                                      | 55                                                      | 53                                                      | 52                                                      | 52                                                       | 49                                                      | 49                                                       |
| 35                    | 35                   | 26                   | 50                                                      | 50                                                      | 48                                                      | 50                                                      | 51                                                      | 49                                                      | 48                                                      | 48                                                       | 48                                                      | 50                                                       |
| 36                    | 36                   | 50                   | 51                                                      | 50                                                      | 48                                                      | 50                                                      | 52                                                      | 50                                                      | 49                                                      | 49                                                       | 45                                                      | 47                                                       |
| 37                    | 37                   | 11                   | 52                                                      | 50                                                      | 48                                                      | 48                                                      | 52                                                      | 50                                                      | 49                                                      | 49                                                       | 45                                                      | 46                                                       |
| 38                    | 38                   | 33                   | 52                                                      | 50                                                      | 48                                                      | 49                                                      | 51                                                      | 49                                                      | 49                                                      | 46                                                       | 47                                                      | *                                                        |
| 39                    | 39                   | 54                   | 50                                                      | 49                                                      | 49                                                      | 49                                                      | 51                                                      | 49                                                      | 49                                                      | 46                                                       | 47                                                      | 47                                                       |
| 40                    | 40                   | 16                   | 50                                                      | 50                                                      | 49                                                      | 49                                                      | 51                                                      | 49                                                      | 49                                                      | 46                                                       | 48                                                      | *                                                        |
| 41                    | 41                   | 37                   | 51                                                      | 50                                                      | 49                                                      | 48                                                      | 52                                                      | 49                                                      | 49                                                      | 48                                                       | 45                                                      | 48                                                       |
| 42                    | 42                   | 56                   | 50                                                      | 50                                                      | 49                                                      | 48                                                      | 52                                                      | 49                                                      | 48                                                      | 48                                                       | 45                                                      | 48                                                       |
| 43                    | 43                   | 20                   | 50                                                      | 50                                                      | 49                                                      | 48                                                      | 51                                                      | 49                                                      | 48                                                      | 48                                                       | 45                                                      | 46                                                       |
| 44                    | 44                   | 42                   | 50                                                      | 50                                                      | 49                                                      | 49                                                      | 51                                                      | 49                                                      | 48                                                      | 48                                                       | 45                                                      | 47                                                       |
| 45                    | 45                   | 3                    | 51                                                      | 50                                                      | 48                                                      | 49                                                      | 52                                                      | 49                                                      | 48                                                      | 48                                                       | 46                                                      | 48                                                       |
| 46                    | 46                   | 24                   | 52                                                      | 50                                                      | 48                                                      | 49                                                      | 52                                                      | 49                                                      | 48                                                      | 48                                                       | 46                                                      | 48                                                       |
| 47                    | 47                   | 46                   | 51                                                      | 49                                                      | 48                                                      | 49                                                      | 51                                                      | 49                                                      | 49                                                      | 48                                                       | 45                                                      | 48                                                       |
| 48                    | 48                   | 5                    | 51                                                      | 49                                                      | 48                                                      | 48                                                      | 51                                                      | 49                                                      | 49                                                      | 48                                                       | 45                                                      | 47                                                       |
| 49                    | 49                   | 29                   | 51                                                      | 49                                                      | 48                                                      | 49                                                      | 51                                                      | 49                                                      | 49                                                      | 48                                                       | 45                                                      | 48                                                       |
| 50                    | 50                   | 50                   | 51                                                      | 50                                                      | 49                                                      | 49                                                      | 51                                                      | 49                                                      | 49                                                      | 48                                                       | 45                                                      | 47                                                       |
| 51                    | 51                   | 12                   | 51                                                      | 50                                                      | 49                                                      | 48                                                      | 52                                                      | 50                                                      | 49                                                      | 48                                                       | 44                                                      | 48                                                       |
| 52                    | 52                   | 33                   | 52                                                      | 50                                                      | 49                                                      | 48                                                      | 52                                                      | 49                                                      | 49                                                      | 48                                                       | 44                                                      | 47                                                       |
| 53                    | 53                   | 52                   | 52                                                      | 50                                                      | 48                                                      | 49                                                      | 51                                                      | 49                                                      | 49                                                      | 48                                                       | 44                                                      | 47                                                       |
| 54                    | 54                   | 16                   | 51                                                      | 50                                                      | 48                                                      | 49                                                      | 52                                                      | 49                                                      | 50                                                      | 49                                                       | 44                                                      | 48                                                       |
| 55                    | 55                   | 37                   | 51                                                      | 51                                                      | 48                                                      | 49                                                      | 51                                                      | 49                                                      | 50                                                      | 49                                                       | 45                                                      | 48                                                       |
| 56                    | 56                   | 59                   | 51                                                      | 49                                                      | 48                                                      | 48                                                      | 53                                                      | 49                                                      | 48                                                      | 48                                                       | 45                                                      | 48                                                       |
| 57                    | 57                   | 20                   | 50                                                      | 49                                                      | 48                                                      | 48                                                      | 53                                                      | 49                                                      | 48                                                      | 48                                                       | 44                                                      | 48                                                       |
| 58                    | 58                   | 42                   | 50                                                      | 49                                                      | 48                                                      | 49                                                      | 52                                                      | 49                                                      | 48                                                      | 48                                                       | 44                                                      | 47                                                       |
| 59                    | 59                   | 4                    | 56                                                      | 55                                                      | 54                                                      | 53                                                      | 57                                                      | 55                                                      | 48                                                      | 46                                                       | 44                                                      | 48                                                       |
| 60                    | 60                   | 25                   | 56                                                      | 55                                                      | 54                                                      | 53                                                      | 57                                                      | 55                                                      | 53                                                      | 54                                                       | 44                                                      | 52                                                       |
| 61                    | 61                   | 46                   | 56                                                      | 55                                                      | 53                                                      | 52                                                      | 56                                                      | 54                                                      | 53                                                      | 53                                                       | 44                                                      | 52                                                       |
| 62                    | 62                   | 46                   | 56                                                      | 55                                                      | 53                                                      | 52                                                      | 56                                                      | 54                                                      | 53                                                      | 54                                                       | 49                                                      | 52                                                       |
| 63                    | 63                   | 7                    | 56                                                      | 55                                                      | 52                                                      | 54                                                      | 56                                                      | 54                                                      | 54                                                      | 54                                                       | 49                                                      | 52                                                       |
| 64                    | 64                   | 26                   | 56                                                      | 55                                                      | 52                                                      | 54                                                      | 56                                                      | 54                                                      | 54                                                      | 54                                                       | 49                                                      | 53                                                       |
| 65                    | 65                   | 47                   | 57                                                      | 55                                                      | 54                                                      | 54                                                      | 57                                                      | 55                                                      | 54                                                      | 54                                                       | 49                                                      | 53                                                       |
| 66                    | 66                   | 10                   | 57                                                      | 55                                                      | 54                                                      | 54                                                      | 57                                                      | 55                                                      | 54                                                      | 54                                                       | 49                                                      | 53                                                       |
| 67                    | 67                   | 31                   | 57                                                      | 55                                                      | 54                                                      | 54                                                      | 57                                                      | 55                                                      | 54                                                      | 54                                                       | 49                                                      | 53                                                       |
| 68                    | 68                   | 22                   | 56                                                      | 55                                                      | 54                                                      | 54                                                      | 57                                                      | 55                                                      | 54                                                      | 54                                                       | 49                                                      | 53                                                       |
| 69                    | 69                   | 14                   | 56                                                      | 55                                                      | 54                                                      | 55                                                      | 56                                                      | 55                                                      | 54                                                      | 54                                                       | 49                                                      | 52                                                       |
| 70                    | 70                   | 35                   | 57                                                      | 55                                                      | 54                                                      | 55                                                      | 56                                                      | 55                                                      | 54                                                      | 54                                                       | 49                                                      | 52                                                       |
| 71                    | 71                   | 56                   | 56                                                      | 55                                                      | 55                                                      | 55                                                      | 56                                                      | 55                                                      | 54                                                      | 54                                                       | 48                                                      | 52                                                       |
| 72                    | 72                   | 14                   | 56                                                      | 55                                                      | 54                                                      | 56                                                      | 56                                                      | 55                                                      | 54                                                      | 54                                                       | 48                                                      | 52                                                       |
| 73                    | 73                   | 38                   | 56                                                      | 55                                                      | 54                                                      | 56                                                      | 56                                                      | 55                                                      | 54                                                      | 54                                                       | 48                                                      | 53                                                       |
| 74                    | 74                   | 59                   | 57                                                      | 55                                                      | 55                                                      | 54                                                      | 56                                                      | 55                                                      | 54                                                      | 54                                                       | 48                                                      | 53                                                       |
| 75                    | 75                   | 20                   | 56                                                      | 55                                                      | 55                                                      | 54                                                      | 56                                                      | 55                                                      | 54                                                      | 54                                                       | 48                                                      | 53                                                       |
| 76                    | 76                   | 41                   | 57                                                      | 55                                                      | 54                                                      | 54                                                      | 56                                                      | 54                                                      | 53                                                      | 54                                                       | 48                                                      | 52                                                       |

| S-31<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>4.30<br>DEC.C | 8-15<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>4.30<br>DEC.C | 8-17<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>6.00<br>DEC.C | 8-18<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>7.30<br>DEC.C | 8-19<br>ENG.2<br>COMPR.<br>CSE<br>STG.4<br>8.00<br>DEC.C | 8-20<br>ENG.2<br>COMPR.<br>CSE<br>STG.5<br>4.30<br>DEC.C | 8-21<br>ENG.2<br>COMPR.<br>CSE<br>STG.5<br>6.00<br>DEC.C | 8-22<br>ENG.2<br>GAS CN<br>TUBO<br>CASE<br>4.00<br>DEC.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEC.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEC.C |
|------------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 77                     | 52                   | 2                    | 56                                                       | 55                                                       | 54                                                       | 55                                                       | 57                                                       | 55                                                       | 54                                                       | 54                                                       | 46                                                      | 52                                                       |
| 78                     | 51                   | 21                   | 56                                                       | 55                                                       | 54                                                       | 54                                                       | 57                                                       | 55                                                       | 54                                                       | 54                                                       | 43                                                      | 53                                                       |
| 79                     | 52                   | 44                   | 56                                                       | 55                                                       | 54                                                       | 55                                                       | 58                                                       | 54                                                       | 54                                                       | 54                                                       | 50                                                      | 53                                                       |
| 80                     | 53                   | 5                    | 57                                                       | 55                                                       | 54                                                       | 54                                                       | 57                                                       | 55                                                       | 54                                                       | 54                                                       | 50                                                      | 52                                                       |
| 81                     | 53                   | 24                   | 57                                                       | 55                                                       | 54                                                       | 54                                                       | 58                                                       | 55                                                       | 54                                                       | 55                                                       | 48                                                      | 53                                                       |
| 82                     | 53                   | 48                   | 58                                                       | 55                                                       | 53                                                       | 54                                                       | 56                                                       | 55                                                       | 56                                                       | 55                                                       | 48                                                      | 53                                                       |
| 83                     | 53                   | 7                    | 58                                                       | 55                                                       | 53                                                       | 54                                                       | 57                                                       | 55                                                       | 55                                                       | 59                                                       | 49                                                      | 53                                                       |
| 84                     | 54                   | 30                   | 58                                                       | 55                                                       | 53                                                       | 54                                                       | 58                                                       | 55                                                       | 54                                                       | 112                                                      | 45                                                      | 55                                                       |
| 85                     | 54                   | 51                   | 59                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 135                                                      | 45                                                      | 55                                                       |
| 86                     | 55                   | 12                   | 59                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 167                                                      | 45                                                      | 55                                                       |
| 87                     | 55                   | 31                   | 60                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 209                                                      | 45                                                      | 55                                                       |
| 88                     | 56                   | 55                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 226                                                      | 45                                                      | 55                                                       |
| 89                     | 56                   | 16                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 248                                                      | 45                                                      | 55                                                       |
| 90                     | 56                   | 37                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 275                                                      | 45                                                      | 55                                                       |
| 91                     | 56                   | 55                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 320                                                      | 45                                                      | 55                                                       |
| 92                     | 57                   | 19                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 347                                                      | 45                                                      | 55                                                       |
| 93                     | 57                   | 40                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 364                                                      | 45                                                      | 55                                                       |
| 94                     | 57                   | 22                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 374                                                      | 45                                                      | 55                                                       |
| 95                     | 57                   | 40                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 379                                                      | 45                                                      | 55                                                       |
| 96                     | 57                   | 5                    | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 376                                                      | 45                                                      | 55                                                       |
| 97                     | 57                   | 31                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 385                                                      | 45                                                      | 55                                                       |
| 98                     | 57                   | 45                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 382                                                      | 45                                                      | 55                                                       |
| 99                     | 57                   | 6                    | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 388                                                      | 45                                                      | 55                                                       |
| 100                    | 58                   | 27                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 393                                                      | 45                                                      | 55                                                       |
| 101                    | 58                   | 48                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 398                                                      | 45                                                      | 55                                                       |
| 102                    | 58                   | 9                    | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 403                                                      | 45                                                      | 55                                                       |
| 103                    | 58                   | 31                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 408                                                      | 45                                                      | 55                                                       |
| 104                    | 58                   | 52                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 413                                                      | 45                                                      | 55                                                       |
| 105                    | 58                   | 21                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 418                                                      | 45                                                      | 55                                                       |
| 106                    | 58                   | 44                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 423                                                      | 45                                                      | 55                                                       |
| 107                    | 58                   | 62                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 428                                                      | 45                                                      | 55                                                       |
| 108                    | 58                   | 56                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 433                                                      | 45                                                      | 55                                                       |
| 109                    | 58                   | 17                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 438                                                      | 45                                                      | 55                                                       |
| 110                    | 58                   | 38                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 443                                                      | 45                                                      | 55                                                       |
| 111                    | 58                   | 59                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 448                                                      | 45                                                      | 55                                                       |
| 112                    | 58                   | 21                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 453                                                      | 45                                                      | 55                                                       |
| 113                    | 58                   | 42                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 458                                                      | 45                                                      | 55                                                       |
| 114                    | 58                   | 3                    | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 463                                                      | 45                                                      | 55                                                       |
| 115                    | 58                   | 24                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 468                                                      | 45                                                      | 55                                                       |
| 116                    | 58                   | 46                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 473                                                      | 45                                                      | 55                                                       |
| 117                    | 58                   | 7                    | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 478                                                      | 45                                                      | 55                                                       |
| 118                    | 58                   | 28                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 483                                                      | 45                                                      | 55                                                       |
| 119                    | 58                   | 49                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 488                                                      | 45                                                      | 55                                                       |
| 120                    | 58                   | 11                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 493                                                      | 45                                                      | 55                                                       |
| 121                    | 58                   | 32                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 498                                                      | 45                                                      | 55                                                       |
| 122                    | 58                   | 53                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 503                                                      | 45                                                      | 55                                                       |
| 123                    | 58                   | 67                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 508                                                      | 45                                                      | 55                                                       |
| 124                    | 58                   | 15                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 513                                                      | 45                                                      | 55                                                       |
| 125                    | 58                   | 36                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 518                                                      | 45                                                      | 55                                                       |
| 126                    | 58                   | 57                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 523                                                      | 45                                                      | 55                                                       |
| 127                    | 58                   | 7                    | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 528                                                      | 45                                                      | 55                                                       |
| 128                    | 58                   | 28                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 533                                                      | 45                                                      | 55                                                       |
| 129                    | 58                   | 49                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 538                                                      | 45                                                      | 55                                                       |
| 130                    | 58                   | 11                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 543                                                      | 45                                                      | 55                                                       |
| 131                    | 58                   | 32                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 548                                                      | 45                                                      | 55                                                       |
| 132                    | 58                   | 53                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 553                                                      | 45                                                      | 55                                                       |
| 133                    | 58                   | 67                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 558                                                      | 45                                                      | 55                                                       |
| 134                    | 58                   | 8                    | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 563                                                      | 45                                                      | 55                                                       |
| 135                    | 58                   | 29                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 568                                                      | 45                                                      | 55                                                       |
| 136                    | 58                   | 50                   | 61                                                       | 55                                                       | 53                                                       | 54                                                       | 59                                                       | 55                                                       | 54                                                       | 573                                                      | 45                                                      | 55                                                       |

| -01   | 8-02 | 8-03 | 8-15   | 8-16   | 8-17   | 8-18   | 8-19   | 8-20   | 8-21   | 8-22   | 8-23   | 8-24   |
|-------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SHEEP | TIME | TIME | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS | COMPRS |
| COUNT | MIN. | SEC. | STG.4  | STG.5  | STG.4  | STG.4  | STG.5  | STG.5  | STG.5  | TURB   | COOLER | COOLER |
|       |      |      | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | DEG.C  | INLET  | OUTLET |
| 127   | 69   | 48   | 133    | 134    | 125    | 162    | 146    | 155    | 153    | 44.5   | 47     | 60     |
| 128   | 70   | 1    | 133    | 135    | 126    | 163    | 146    | 155    | 158    | 452    | 49     | 62     |
| 129   | 70   | 22   | 136    | 136    | 126    | 165    | 146    | 155    | 159    | 453    | 53     | 82     |
| 130   | 70   | 43   | 134    | 136    | 126    | 167    | 146    | 157    | 160    | 455    | 54     | 84     |
| 131   | 71   | 5    | 133    | 134    | 125    | 166    | 148    | 157    | 160    | 455    | 46     | 86     |
| 132   | 71   | 23   | 133    | 133    | 126    | 168    | 146    | 157    | 159    | 451    | 44     | 81     |
| 133   | 71   | 47   | 133    | 133    | 126    | 164    | 146    | 155    | 157    | 451    | 45     | 81     |
| 134   | 72   | 7    | 134    | 134    | 128    | 163    | 146    | 155    | 157    | 451    | 44     | 81     |
| 135   | 72   | 30   | 134    | 136    | 128    | 163    | 147    | 157    | 159    | 451    | 45     | 81     |
| 136   | 72   | 51   | 132    | 135    | 126    | 166    | 145    | 156    | 159    | 451    | 49     | 84     |
| 137   | 73   | 12   | 131    | 133    | 124    | 165    | 145    | 154    | 158    | 453    | 44     | 82     |
| 138   | 73   | 33   | 136    | 136    | 127    | 163    | 147    | 155    | 158    | 455    | 45     | 81     |
| 139   | 73   | 55   | 136    | 136    | 129    | 167    | 149    | 157    | 161    | 460    | 55     | 86     |
| 140   | 74   | 16   | 135    | 136    | 126    | 167    | 148    | 156    | 161    | 460    | 46     | 83     |
| 141   | 74   | 46   | 135    | 136    | 126    | 167    | 148    | 156    | 161    | 460    | 46     | 83     |
| 142   | 75   | 56   | 133    | 135    | 127    | 166    | 147    | 156    | 160    | 457    | 46     | 84     |
| 143   | 75   | 75   | 131    | 134    | 126    | 165    | 145    | 155    | 158    | 454    | 44     | 82     |
| 144   | 75   | 41   | 131    | 133    | 124    | 163    | 143    | 153    | 157    | 453    | 52     | 82     |
| 145   | 76   | 2    | 133    | 133    | 126    | 164    | 145    | 155    | 159    | 456    | 47     | 82     |
| 146   | 76   | 23   | 134    | 135    | 127    | 166    | 146    | 157    | 160    | 458    | 45     | 84     |
| 147   | 76   | 45   | 135    | 136    | 128    | 166    | 147    | 157    | 160    | 457    | 55     | 86     |
| 148   | 77   | 6    | 137    | 138    | 129    | 167    | 150    | 159    | 161    | 456    | 52     | 87     |
| 149   | 77   | 27   | 136    | 140    | 130    | 169    | 150    | 159    | 162    | 457    | 51     | 87     |
| 150   | 77   | 44   | 137    | 138    | 130    | 174    | 150    | 161    | 163    | 460    | 46     | 84     |
| 151   | 78   | 10   | 139    | 139    | 131    | 169    | 151    | 160    | 162    | 460    | 46     | 84     |
| 152   | 78   | 31   | 136    | 138    | 131    | 178    | 152    | 160    | 162    | 463    | 53     | 82     |
| 153   | 78   | 52   | 133    | 135    | 129    | 167    | 148    | 157    | 161    | 461    | 44     | 82     |
| 154   | 79   | 11   | 134    | 136    | 129    | 166    | 150    | 157    | 161    | 459    | 47     | 88     |
| 155   | 79   | 35   | 135    | 136    | 129    | 166    | 150    | 159    | 162    | 465    | 44     | 83     |
| 156   | 79   | 56   | 131    | 132    | 127    | 168    | 149    | 158    | 161    | 465    | 44     | 82     |
| 157   | 80   | 15   | 133    | 134    | 127    | 167    | 147    | 156    | 160    | 465    | 44     | 82     |
| 158   | 80   | 38   | 137    | 136    | 127    | 167    | 149    | 158    | 160    | 467    | 45     | 82     |
| 159   | 81   | 6    | 134    | 136    | 128    | 168    | 148    | 157    | 160    | 462    | 45     | 82     |
| 160   | 81   | 21   | 136    | 138    | 128    | 167    | 148    | 159    | 160    | 462    | 46     | 83     |
| 161   | 81   | 43   | 135    | 136    | 129    | 167    | 151    | 160    | 160    | 463    | 45     | 85     |
| 162   | 82   | 4    | 133    | 135    | 123    | 167    | 150    | 160    | 161    | 460    | 45     | 87     |
| 163   | 82   | 25   | 139    | 140    | 123    | 167    | 152    | 161    | 161    | 463    | 46     | 89     |
| 164   | 82   | 47   | 142    | 143    | 132    | 171    | 154    | 163    | 165    | 467    | 46     | 86     |
| 165   | 83   | 6    | 142    | 143    | 135    | 172    | 155    | 167    | 164    | 464    | 47     | 86     |
| 166   | 83   | 29   | 141    | 141    | 130    | 172    | 155    | 167    | 163    | 464    | 44     | 84     |
| 167   | 83   | 51   | 137    | 139    | 127    | 169    | 153    | 160    | 163    | 464    | 44     | 84     |
| 168   | 84   | 12   | 143    | 144    | 127    | 166    | 155    | 161    | 162    | 465    | 58     | 92     |
| 169   | 84   | 33   | 143    | 145    | 131    | 172    | 159    | 164    | 163    | 471    | 59     | 93     |
| 170   | 84   | 55   | 143    | 145    | 135    | 176    | 161    | 167    | 167    | 474    | 57     | 92     |
| 171   | 85   | 16   | 143    | 145    | 135    | 176    | 162    | 170    | 168    | 475    | 60     | 93     |
| 172   | 85   | 37   | 143    | 145    | 135    | 177    | 163    | 170    | 168    | 474    | 58     | 94     |
| 173   | 85   | 53   | 144    | 146    | 136    | 177    | 162    | 170    | 169    | 478    | 54     | 93     |
| 174   | 86   | 20   | 146    | 147    | 138    | 177    | 164    | 171    | 169    | 476    | 63     | 96     |
| 175   | 86   | 41   | 146    | 148    | 137    | 179    | 164    | 172    | 170    | 479    | 55     | 94     |
| 176   | 87   | 3    | 145    | 147    | 138    | 180    | 162    | 171    | 173    | 481    | 58     | 96     |

| -01<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>3.00<br>DEG.C | 8-16<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>4.30<br>DEG.C | 8-17<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>6.00<br>DEG.C | 8-18<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>9.00<br>DEG.C | 8-19<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>3.80<br>DEG.C | 8-20<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS GN<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 177                   | 87                   | 24                   | 146                                                      | 148                                                      | 141                                                      | 160                                                      | 164                                                      | 172                                                      | 172                                                      | 479                                                      | 59                                                      | 96                                                       |
| 178                   | 87                   | 46                   | 146                                                      | 147                                                      | 139                                                      | 179                                                      | 164                                                      | 172                                                      | 172                                                      | 477                                                      | 55                                                      | 94                                                       |
| 179                   | 88                   | 7                    | 145                                                      | 147                                                      | 138                                                      | 179                                                      | 164                                                      | 172                                                      | 172                                                      | 476                                                      | 55                                                      | 96                                                       |
| 180                   | 88                   | 29                   | 145                                                      | 147                                                      | 138                                                      | 177                                                      | 163                                                      | 171                                                      | 172                                                      | 475                                                      | 57                                                      | 95                                                       |
| 181                   | 88                   | 50                   | "                                                        | "                                                        | "                                                        | 177                                                      | 164                                                      | 173                                                      | 170                                                      | 477                                                      | 59                                                      | 95                                                       |
| 182                   | 89                   | 11                   | 145                                                      | 146                                                      | 137                                                      | 177                                                      | 163                                                      | 172                                                      | 170                                                      | 479                                                      | 55                                                      | 94                                                       |
| 183                   | 89                   | 33                   | 143                                                      | 145                                                      | 137                                                      | 178                                                      | 163                                                      | 172                                                      | 170                                                      | 474                                                      | 45                                                      | 45                                                       |
| 184                   | 89                   | 54                   | 137                                                      | 141                                                      | 132                                                      | 175                                                      | 140                                                      | 164                                                      | 165                                                      | 472                                                      | 44                                                      | 46                                                       |
| 185                   | 90                   | 15                   | 129                                                      | 130                                                      | 126                                                      | 170                                                      | 114                                                      | 160                                                      | 161                                                      | 470                                                      | 44                                                      | 46                                                       |
| 186                   | 90                   | 36                   | 125                                                      | 124                                                      | 121                                                      | 166                                                      | 110                                                      | 160                                                      | 155                                                      | 458                                                      | 42                                                      | 42                                                       |
| 187                   | 90                   | 55                   | 122                                                      | 118                                                      | 118                                                      | 156                                                      | 103                                                      | 132                                                      | 147                                                      | 448                                                      | 41                                                      | 41                                                       |
| 188                   | 91                   | 19                   | 116                                                      | 110                                                      | 86                                                       | 148                                                      | 96                                                       | 122                                                      | 138                                                      | 434                                                      | 41                                                      | 41                                                       |
| 189                   | 91                   | 40                   | 113                                                      | 105                                                      | 79                                                       | 142                                                      | 92                                                       | 114                                                      | 138                                                      | 421                                                      | 42                                                      | 42                                                       |
| 190                   | 92                   | 1                    | 112                                                      | 104                                                      | 76                                                       | 138                                                      | "                                                        | 112                                                      | 126                                                      | 413                                                      | 43                                                      | 43                                                       |
| 191                   | 92                   | 22                   | 112                                                      | 102                                                      | 74                                                       | 137                                                      | 80                                                       | 110                                                      | 122                                                      | 407                                                      | 43                                                      | 43                                                       |
| 192                   | 92                   | 43                   | 111                                                      | 102                                                      | 74                                                       | 135                                                      | 87                                                       | 109                                                      | 121                                                      | 396                                                      | 43                                                      | 43                                                       |
| 193                   | 93                   | 1                    | 107                                                      | 98                                                       | 71                                                       | 130                                                      | 83                                                       | 105                                                      | 116                                                      | 396                                                      | 43                                                      | 43                                                       |
| 194                   | 93                   | 25                   | 102                                                      | 95                                                       | 70                                                       | 128                                                      | 79                                                       | 101                                                      | 114                                                      | 389                                                      | 44                                                      | 44                                                       |
| 195                   | 93                   | 43                   | 105                                                      | 96                                                       | 73                                                       | 122                                                      | 78                                                       | 102                                                      | 114                                                      | 389                                                      | 44                                                      | 44                                                       |
| 196                   | 94                   | 7                    | 107                                                      | 98                                                       | 74                                                       | 120                                                      | 80                                                       | 103                                                      | 117                                                      | 387                                                      | 43                                                      | 43                                                       |
| 197                   | 94                   | 28                   | 103                                                      | 98                                                       | 82                                                       | 133                                                      | 86                                                       | 109                                                      | 121                                                      | 384                                                      | 43                                                      | 43                                                       |
| 198                   | 94                   | 50                   | 124                                                      | 117                                                      | 96                                                       | 145                                                      | 104                                                      | 123                                                      | 131                                                      | 431                                                      | 43                                                      | 43                                                       |
| 199                   | 95                   | 11                   | 127                                                      | 126                                                      | 107                                                      | 157                                                      | 118                                                      | 138                                                      | 143                                                      | 454                                                      | 43                                                      | 43                                                       |
| 200                   | 95                   | 32                   | 129                                                      | 130                                                      | 115                                                      | 164                                                      | 122                                                      | 146                                                      | 150                                                      | 465                                                      | 43                                                      | 43                                                       |
| 201                   | 95                   | 51                   | 131                                                      | 131                                                      | 121                                                      | 169                                                      | 131                                                      | 151                                                      | 155                                                      | 466                                                      | 43                                                      | 43                                                       |
| 202                   | 96                   | 15                   | 130                                                      | 134                                                      | 122                                                      | 170                                                      | 132                                                      | 154                                                      | 158                                                      | 469                                                      | 43                                                      | 43                                                       |
| 203                   | 96                   | 36                   | 131                                                      | 135                                                      | 124                                                      | 171                                                      | 134                                                      | 155                                                      | 159                                                      | 471                                                      | 43                                                      | 43                                                       |
| 204                   | 96                   | 58                   | 130                                                      | 135                                                      | 126                                                      | 171                                                      | 136                                                      | 156                                                      | 160                                                      | 471                                                      | 42                                                      | 42                                                       |
| 205                   | 97                   | 19                   | 131                                                      | 135                                                      | 126                                                      | 171                                                      | 137                                                      | 156                                                      | 161                                                      | 472                                                      | 42                                                      | 42                                                       |
| 206                   | 97                   | 40                   | 132                                                      | 135                                                      | 127                                                      | 171                                                      | 136                                                      | 156                                                      | 161                                                      | 474                                                      | 43                                                      | 43                                                       |
| 207                   | 98                   | 2                    | 131                                                      | 137                                                      | 120                                                      | 172                                                      | 135                                                      | 156                                                      | 162                                                      | 476                                                      | 42                                                      | 42                                                       |
| 208                   | 98                   | 23                   | 131                                                      | 137                                                      | 127                                                      | 172                                                      | 135                                                      | 157                                                      | 162                                                      | 477                                                      | 43                                                      | 43                                                       |
| 209                   | 98                   | 44                   | 131                                                      | 136                                                      | 129                                                      | 171                                                      | "                                                        | 158                                                      | 161                                                      | 475                                                      | 43                                                      | 43                                                       |
| 210                   | 99                   | 6                    | 130                                                      | 135                                                      | 129                                                      | 171                                                      | 136                                                      | 157                                                      | 161                                                      | 474                                                      | 43                                                      | 43                                                       |
| 211                   | 99                   | 27                   | 130                                                      | 133                                                      | 127                                                      | 170                                                      | 135                                                      | 156                                                      | 161                                                      | 473                                                      | 43                                                      | 43                                                       |
| 212                   | 99                   | 48                   | 131                                                      | 133                                                      | 126                                                      | 171                                                      | 137                                                      | 156                                                      | 160                                                      | 475                                                      | 42                                                      | 42                                                       |
| 213                   | 100                  | 10                   | 130                                                      | 133                                                      | 126                                                      | 171                                                      | 136                                                      | 155                                                      | 161                                                      | 475                                                      | 42                                                      | 42                                                       |
| 214                   | 100                  | 31                   | 130                                                      | 133                                                      | 126                                                      | 170                                                      | 135                                                      | 156                                                      | 161                                                      | 473                                                      | 43                                                      | 43                                                       |
| 215                   | 100                  | 52                   | 130                                                      | 134                                                      | 126                                                      | 171                                                      | 135                                                      | 156                                                      | 161                                                      | 473                                                      | 43                                                      | 43                                                       |
| 216                   | 100                  | 11                   | 130                                                      | 134                                                      | 126                                                      | 171                                                      | 135                                                      | 155                                                      | 161                                                      | 473                                                      | 43                                                      | 43                                                       |
| 217                   | 101                  | 35                   | 130                                                      | 133                                                      | 126                                                      | 170                                                      | 135                                                      | 155                                                      | 160                                                      | 472                                                      | 42                                                      | 42                                                       |
| 218                   | 101                  | 56                   | 131                                                      | 135                                                      | 128                                                      | 169                                                      | 136                                                      | 155                                                      | 160                                                      | 472                                                      | 42                                                      | 42                                                       |
| 219                   | 101                  | 18                   | 131                                                      | 135                                                      | 128                                                      | 169                                                      | 139                                                      | 156                                                      | 160                                                      | 474                                                      | 42                                                      | 42                                                       |
| 220                   | 102                  | 37                   | 131                                                      | 134                                                      | 126                                                      | 170                                                      | 140                                                      | 156                                                      | 160                                                      | 473                                                      | 42                                                      | 42                                                       |
| 221                   | 103                  | 1                    | 131                                                      | 135                                                      | 126                                                      | 169                                                      | 140                                                      | 157                                                      | 160                                                      | 474                                                      | 42                                                      | 42                                                       |
| 222                   | 103                  | 22                   | 129                                                      | 134                                                      | 128                                                      | 170                                                      | 137                                                      | 155                                                      | 161                                                      | 474                                                      | 42                                                      | 42                                                       |
| 223                   | 103                  | 41                   | 129                                                      | 135                                                      | 126                                                      | 169                                                      | 134                                                      | 155                                                      | 160                                                      | 470                                                      | 43                                                      | 43                                                       |
| 224                   | 104                  | 5                    | 130                                                      | 134                                                      | 126                                                      | 170                                                      | 137                                                      | 153                                                      | 160                                                      | 472                                                      | 42                                                      | 42                                                       |
| 225                   | 104                  | 26                   | 129                                                      | 133                                                      | 126                                                      | 169                                                      | 136                                                      | 153                                                      | 160                                                      | 475                                                      | 43                                                      | 43                                                       |
| 226                   | 104                  | 45                   | 133                                                      | 133                                                      | 124                                                      | 169                                                      | 140                                                      | 155                                                      | 161                                                      | 472                                                      | 43                                                      | 43                                                       |
| 226                   | 104                  | 45                   | 133                                                      | 136                                                      | 125                                                      | 168                                                      | 143                                                      | 157                                                      | 160                                                      | 477                                                      | 43                                                      | 43                                                       |



| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>3.00<br>DEG.C | 8-16<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>4.30<br>DEG.C | 8-17<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>6.00<br>DEG.C | 8-18<br>ENG.2<br>COMPRS<br>CSE<br>SIG.4<br>7.00<br>DEG.C | 8-19<br>ENG.2<br>COMPRS<br>CSE<br>SIG.5<br>3.00<br>DEG.C | 8-20<br>ENG.2<br>COMPRS<br>CSE<br>SIG.5<br>4.30<br>DEG.C | 8-21<br>ENG.2<br>COMPRS<br>CSE<br>SIG.5<br>6.00<br>DEG.C | 8-22<br>ENG.2<br>GAS GN<br>TURB<br>CASE<br>AIR<br>4.00<br>DEG.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>INLET<br>AIR<br>DEG.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>OUTLET<br>AIR<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 227                   | 185                  | 9                    | 132                                                      | 135                                                      | 127                                                      | 170                                                      | 141                                                      | 160                                                      | 162                                                      | 478                                                             | 43                                                      | 82                                                       |
| 228                   | 185                  | 30                   | 133                                                      | 136                                                      | 127                                                      | 170                                                      | 143                                                      | 160                                                      | 162                                                      | 480                                                             | 44                                                      | 82                                                       |
| 229                   | 185                  | 51                   | 134                                                      | 137                                                      | 128                                                      | 170                                                      | 145                                                      | 160                                                      | 163                                                      | 481                                                             | 46                                                      | 83                                                       |
| 230                   | 186                  | 40                   | 133                                                      | 137                                                      | 128                                                      | 170                                                      | 146                                                      | 161                                                      | 163                                                      | 481                                                             | 46                                                      | 84                                                       |
| 231                   | 186                  | 34                   | 136                                                      | 139                                                      | 128                                                      | 169                                                      | 146                                                      | 161                                                      | 164                                                      | 480                                                             | 47                                                      | 85                                                       |
| 232                   | 186                  | 55                   | 136                                                      | 140                                                      | 127                                                      | 169                                                      | 145                                                      | 161                                                      | 164                                                      | 478                                                             | 44                                                      | 82                                                       |
| 233                   | 187                  | 17                   | 136                                                      | 139                                                      | 127                                                      | 169                                                      | 146                                                      | 161                                                      | 163                                                      | 482                                                             | 44                                                      | 83                                                       |
| 234                   | 187                  | 34                   | 136                                                      | 139                                                      | 128                                                      | 169                                                      | 149                                                      | 162                                                      | 163                                                      | 483                                                             | 44                                                      | 84                                                       |
| 235                   | 187                  | 59                   | 135                                                      | 139                                                      | 128                                                      | 168                                                      | 148                                                      | 161                                                      | 163                                                      | 482                                                             | 44                                                      | 84                                                       |
| 236                   | 188                  | 21                   | 136                                                      | 139                                                      | 129                                                      | 171                                                      | 148                                                      | 161                                                      | 163                                                      | 482                                                             | 48                                                      | 88                                                       |
| 237                   | 188                  | 40                   | 134                                                      | 139                                                      | 129                                                      | 170                                                      | 151                                                      | 162                                                      | 164                                                      | 482                                                             | 46                                                      | 85                                                       |
| 238                   | 189                  | 3                    | 134                                                      | 138                                                      | 127                                                      | 169                                                      | 150                                                      | 163                                                      | 163                                                      | 484                                                             | 44                                                      | 83                                                       |
| 239                   | 189                  | 25                   | 135                                                      | 138                                                      | 128                                                      | 170                                                      | 150                                                      | 162                                                      | 162                                                      | 483                                                             | 44                                                      | 83                                                       |
| 240                   | 189                  | 46                   | 134                                                      | 138                                                      | 127                                                      | 170                                                      | 148                                                      | 161                                                      | 162                                                      | 482                                                             | 44                                                      | 83                                                       |
| 241                   | 190                  | 7                    | 133                                                      | 137                                                      | 128                                                      | 171                                                      | 148                                                      | 161                                                      | 161                                                      | 481                                                             | 44                                                      | 84                                                       |
| 242                   | 190                  | 29                   | 134                                                      | 138                                                      | 129                                                      | 169                                                      | 147                                                      | 160                                                      | 161                                                      | 481                                                             | 44                                                      | 84                                                       |
| 243                   | 191                  | 50                   | 134                                                      | 138                                                      | 128                                                      | 170                                                      | 147                                                      | 160                                                      | 161                                                      | 481                                                             | 44                                                      | 84                                                       |
| 244                   | 191                  | 12                   | 133                                                      | 137                                                      | 128                                                      | 170                                                      | 150                                                      | 162                                                      | 162                                                      | 482                                                             | 43                                                      | 83                                                       |
| 245                   | 191                  | 33                   | 133                                                      | 137                                                      | 129                                                      | 170                                                      | 148                                                      | 161                                                      | 163                                                      | 482                                                             | 44                                                      | 83                                                       |
| 246                   | 191                  | 54                   | 133                                                      | 136                                                      | 127                                                      | 171                                                      | 146                                                      | 161                                                      | 163                                                      | 480                                                             | 44                                                      | 83                                                       |
| 247                   | 192                  | 16                   | 134                                                      | 137                                                      | 127                                                      | 170                                                      | 146                                                      | 161                                                      | 164                                                      | 478                                                             | 45                                                      | 82                                                       |
| 248                   | 192                  | 37                   | 136                                                      | 139                                                      | 129                                                      | 168                                                      | 148                                                      | 161                                                      | 162                                                      | 479                                                             | 45                                                      | 83                                                       |
| 249                   | 192                  | 58                   | 135                                                      | 136                                                      | 129                                                      | 170                                                      | 146                                                      | 161                                                      | 164                                                      | 478                                                             | 42                                                      | 83                                                       |
| 250                   | 193                  | 20                   | 132                                                      | 135                                                      | 128                                                      | 170                                                      | 145                                                      | 159                                                      | 163                                                      | 471                                                             | 45                                                      | 82                                                       |
| 251                   | 193                  | 38                   | 131                                                      | 134                                                      | 128                                                      | 166                                                      | 147                                                      | 159                                                      | 161                                                      | 469                                                             | 48                                                      | 82                                                       |
| 252                   | 193                  | 59                   | 124                                                      | 128                                                      | 124                                                      | 162                                                      | 145                                                      | 155                                                      | 159                                                      | 462                                                             | 48                                                      | 84                                                       |
| 253                   | 194                  | 20                   | 107                                                      | 114                                                      | 117                                                      | 153                                                      | 131                                                      | 143                                                      | 151                                                      | 452                                                             | 43                                                      | 81                                                       |
| 254                   | 194                  | 44                   | 101                                                      | 108                                                      | 111                                                      | 150                                                      | 121                                                      | 130                                                      | 140                                                      | 444                                                             | 44                                                      | 82                                                       |
| 255                   | 195                  | 5                    | 101                                                      | 106                                                      | 106                                                      | 132                                                      | 113                                                      | 121                                                      | 132                                                      | 360                                                             | 45                                                      | 80                                                       |
| 256                   | 195                  | 24                   | 104                                                      | 107                                                      | 104                                                      | 129                                                      | 110                                                      | 118                                                      | 129                                                      | 374                                                             | 44                                                      | 74                                                       |
| 257                   | 195                  | 47                   | 109                                                      | 109                                                      | 101                                                      | 130                                                      | 97                                                       | 115                                                      | 129                                                      | 382                                                             | 44                                                      | 77                                                       |
| 258                   | 195                  | 6                    | 115                                                      | 112                                                      | 103                                                      | 137                                                      | 93                                                       | 117                                                      | 131                                                      | 402                                                             | 44                                                      | 75                                                       |
| 259                   | 196                  | 30                   | 123                                                      | 119                                                      | 104                                                      | 142                                                      | 93                                                       | 120                                                      | 134                                                      | 439                                                             | 42                                                      | 72                                                       |
| 260                   | 196                  | 51                   | 125                                                      | 120                                                      | 106                                                      | 142                                                      | 94                                                       | 127                                                      | 141                                                      | 461                                                             | 40                                                      | 72                                                       |
| 261                   | 197                  | 12                   | 120                                                      | 116                                                      | 106                                                      | 157                                                      | 94                                                       | 128                                                      | 145                                                      | 465                                                             | 37                                                      | 73                                                       |
| 262                   | 197                  | 33                   | 110                                                      | 116                                                      | 108                                                      | 157                                                      | 93                                                       | 126                                                      | 145                                                      | 460                                                             | 37                                                      | 72                                                       |
| 263                   | 197                  | 54                   | 117                                                      | 113                                                      | 103                                                      | 153                                                      | 92                                                       | 126                                                      | 144                                                      | 454                                                             | 34                                                      | 71                                                       |
| 264                   | 198                  | 15                   | 107                                                      | 101                                                      | 73                                                       | 141                                                      | 86                                                       | 118                                                      | 134                                                      | 433                                                             | 36                                                      | 70                                                       |
| 265                   | 198                  | 36                   | 102                                                      | 96                                                       | 71                                                       | 131                                                      | 80                                                       | 109                                                      | 124                                                      | 413                                                             | 36                                                      | 68                                                       |
| 266                   | 198                  | 57                   | 103                                                      | 94                                                       | 67                                                       | 127                                                      | 80                                                       | 104                                                      | 117                                                      | 402                                                             | 36                                                      | 67                                                       |
| 267                   | 199                  | 16                   | 103                                                      | 95                                                       | 67                                                       | 124                                                      | 79                                                       | 101                                                      | 113                                                      | 393                                                             | 37                                                      | 66                                                       |
| 268                   | 199                  | 39                   | 102                                                      | 93                                                       | 65                                                       | 124                                                      | 78                                                       | 99                                                       | 111                                                      | 388                                                             | 38                                                      | 67                                                       |
| 269                   | 200                  | 6                    | 103                                                      | 96                                                       | 68                                                       | 123                                                      | 76                                                       | 100                                                      | 111                                                      | 380                                                             | 38                                                      | 67                                                       |
| 270                   | 200                  | 19                   | 97                                                       | 90                                                       | 65                                                       | 119                                                      | 74                                                       | 97                                                       | 109                                                      | 380                                                             | 39                                                      | 65                                                       |
| 271                   | 201                  | 42                   | 104                                                      | 96                                                       | 68                                                       | 120                                                      | 70                                                       | 96                                                       | 108                                                      | 379                                                             | 41                                                      | 64                                                       |
| 272                   | 201                  | 3                    | 100                                                      | 99                                                       | 70                                                       | 125                                                      | 61                                                       | 100                                                      | 111                                                      | 390                                                             | 41                                                      | 64                                                       |
| 273                   | 201                  | 24                   | 111                                                      | 101                                                      | 73                                                       | 129                                                      | 83                                                       | 103                                                      | 113                                                      | 397                                                             | 41                                                      | 64                                                       |
| 274                   | 201                  | 45                   | 111                                                      | 102                                                      | 73                                                       | 131                                                      | 83                                                       | 104                                                      | 115                                                      | 398                                                             | 42                                                      | 65                                                       |
| 275                   | 202                  | 6                    | 112                                                      | 102                                                      | 73                                                       | 131                                                      | 85                                                       | 106                                                      | 116                                                      | 398                                                             | 43                                                      | 65                                                       |
| 276                   | 202                  | 25                   | 112                                                      | 103                                                      | 74                                                       | 132                                                      | 87                                                       | 106                                                      | 116                                                      | 402                                                             | 43                                                      | 65                                                       |

| -01<br>SHEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-15<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>3.00<br>DEG.C | 0-16<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>4.30<br>DEG.C | 0-17<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>5.00<br>DEG.C | 0-18<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>5.00<br>DEG.C | 0-19<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>3.00<br>DEG.C | 0-20<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>4.30<br>DEG.C | 0-21<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>5.00<br>DEG.C | 0-22<br>ENG.2<br>GAS IN<br>TURB<br>CASE<br>4.00<br>DEG.C | 0-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEG.C | 0-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 277                   | 122                  | 48                   | 111                                                      | 102                                                      | 73                                                       | 133                                                      | 85                                                       | 106                                                      | 116                                                      | 390                                                      | 42                                                      | 86                                                       |
| 278                   | 123                  | 9                    | 100                                                      | 98                                                       | 69                                                       | 129                                                      | 79                                                       | 101                                                      | 114                                                      | 370                                                      | 41                                                      | 67                                                       |
| 279                   | 123                  | 30                   | 104                                                      | 96                                                       | 74                                                       | 126                                                      | 82                                                       | 100                                                      | 113                                                      | 376                                                      | 42                                                      | 70                                                       |
| 280                   | 123                  | 52                   | 111                                                      | 105                                                      | 87                                                       | 132                                                      | 85                                                       | 107                                                      | 121                                                      | 396                                                      | 40                                                      | 68                                                       |
| 281                   | 124                  | 13                   | 116                                                      | 112                                                      | 96                                                       | 141                                                      | 91                                                       | 115                                                      | 120                                                      | 415                                                      | 41                                                      | 69                                                       |
| 282                   | 124                  | 34                   | 115                                                      | 110                                                      | 87                                                       | 139                                                      | 89                                                       | 116                                                      | 131                                                      | 422                                                      | 40                                                      | 67                                                       |
| 283                   | 124                  | 55                   | 112                                                      | 105                                                      | 76                                                       | 137                                                      | 87                                                       | 113                                                      | 127                                                      | 416                                                      | 41                                                      | 66                                                       |
| 284                   | 125                  | 16                   | 112                                                      | 103                                                      | 76                                                       | 136                                                      | 87                                                       | 110                                                      | 124                                                      | 410                                                      | 42                                                      | 65                                                       |
| 285                   | 125                  | 37                   | 113                                                      | 104                                                      | 75                                                       | 134                                                      | 85                                                       | 108                                                      | 121                                                      | 428                                                      | 42                                                      | 65                                                       |
| 286                   | *                    | 56                   | 117                                                      | 107                                                      | 79                                                       | 135                                                      | 86                                                       | 110                                                      | 123                                                      | 432                                                      | 41                                                      | 65                                                       |
| 287                   | 126                  | 19                   | 116                                                      | 108                                                      | 75                                                       | 139                                                      | 80                                                       | 112                                                      | 126                                                      | 432                                                      | 40                                                      | 65                                                       |
| 288                   | 126                  | 40                   | 112                                                      | 103                                                      | 75                                                       | 134                                                      | 80                                                       | 110                                                      | 125                                                      | 422                                                      | 39                                                      | 65                                                       |
| 289                   | 127                  | 1                    | 111                                                      | 102                                                      | 73                                                       | 135                                                      | 80                                                       | 108                                                      | 122                                                      | 415                                                      | 40                                                      | 64                                                       |
| 290                   | 127                  | 22                   | 110                                                      | 101                                                      | 73                                                       | 132                                                      | 84                                                       | 107                                                      | 119                                                      | 409                                                      | 39                                                      | 64                                                       |
| 291                   | 127                  | 43                   | *                                                        | *                                                        | *                                                        | *                                                        | 85                                                       | 107                                                      | 119                                                      | 404                                                      | 40                                                      | 64                                                       |
| 292                   | *                    | 2                    | 100                                                      | 95                                                       | 73                                                       | 131                                                      | 80                                                       | 103                                                      | 117                                                      | 373                                                      | 42                                                      | 67                                                       |
| 293                   | *                    | *                    | 84                                                       | 66                                                       | 76                                                       | 121                                                      | 75                                                       | 93                                                       | 107                                                      | 333                                                      | 44                                                      | 65                                                       |
| 294                   | *                    | 42                   | 84                                                       | 87                                                       | 77                                                       | 111                                                      | 70                                                       | 89                                                       | 99                                                       | 318                                                      | 45                                                      | 69                                                       |
| 295                   | *                    | 3                    | 107                                                      | 102                                                      | 84                                                       | 113                                                      | 78                                                       | 95                                                       | 102                                                      | 366                                                      | 43                                                      | 68                                                       |
| 296                   | 129                  | 27                   | 116                                                      | 109                                                      | 90                                                       | 128                                                      | 86                                                       | 106                                                      | 106                                                      | 399                                                      | 43                                                      | 67                                                       |
| 297                   | 129                  | 48                   | 117                                                      | 110                                                      | 91                                                       | 135                                                      | 89                                                       | 114                                                      | 127                                                      | 417                                                      | 43                                                      | 67                                                       |
| 298                   | 130                  | 9                    | 118                                                      | 111                                                      | 90                                                       | 130                                                      | 91                                                       | 117                                                      | 130                                                      | 425                                                      | 41                                                      | 66                                                       |
| 299                   | 130                  | 31                   | 117                                                      | 108                                                      | 83                                                       | 137                                                      | 90                                                       | 115                                                      | 129                                                      | 425                                                      | 42                                                      | 66                                                       |
| 300                   | 130                  | 52                   | 113                                                      | 105                                                      | 78                                                       | 137                                                      | 89                                                       | 112                                                      | 129                                                      | 420                                                      | 42                                                      | 66                                                       |
| 301                   | 131                  | 13                   | 110                                                      | 101                                                      | 73                                                       | 132                                                      | 86                                                       | 110                                                      | 125                                                      | 405                                                      | 41                                                      | 66                                                       |
| 302                   | 131                  | 34                   | 99                                                       | 93                                                       | 69                                                       | 131                                                      | 80                                                       | 102                                                      | 115                                                      | 371                                                      | 39                                                      | 64                                                       |
| 303                   | 131                  | 55                   | 97                                                       | 91                                                       | 70                                                       | 124                                                      | 77                                                       | 96                                                       | 111                                                      | 356                                                      | 42                                                      | 68                                                       |
| 304                   | 132                  | 16                   | 99                                                       | 94                                                       | 72                                                       | 121                                                      | 80                                                       | 97                                                       | 111                                                      | 358                                                      | 43                                                      | 70                                                       |
| 305                   | 132                  | 37                   | 106                                                      | 101                                                      | 78                                                       | 122                                                      | 86                                                       | 102                                                      | 114                                                      | 371                                                      | 43                                                      | 72                                                       |
| 306                   | 132                  | 58                   | 121                                                      | 115                                                      | 93                                                       | 137                                                      | 102                                                      | 117                                                      | 125                                                      | 412                                                      | 43                                                      | 74                                                       |
| 307                   | 133                  | 20                   | 126                                                      | 123                                                      | 102                                                      | 151                                                      | 114                                                      | 134                                                      | 140                                                      | 442                                                      | 43                                                      | 75                                                       |
| 308                   | 133                  | 41                   | 128                                                      | 126                                                      | 110                                                      | 157                                                      | 123                                                      | 143                                                      | 146                                                      | 449                                                      | 46                                                      | 78                                                       |
| 309                   | 134                  | 2                    | 129                                                      | 127                                                      | 113                                                      | 161                                                      | 130                                                      | 147                                                      | 153                                                      | 440                                                      | 44                                                      | 75                                                       |
| 310                   | 134                  | 23                   | 114                                                      | 116                                                      | 111                                                      | 157                                                      | 123                                                      | 142                                                      | 151                                                      | 423                                                      | 44                                                      | 75                                                       |
| 311                   | 134                  | 45                   | 103                                                      | 100                                                      | 105                                                      | 146                                                      | 120                                                      | 132                                                      | 141                                                      | 397                                                      | 45                                                      | 76                                                       |
| 312                   | *                    | 3                    | 100                                                      | 101                                                      | 102                                                      | 135                                                      | 111                                                      | 121                                                      | 133                                                      | 378                                                      | 44                                                      | 75                                                       |
| 313                   | 135                  | 27                   | 97                                                       | 101                                                      | 99                                                       | 129                                                      | 102                                                      | 115                                                      | 128                                                      | 366                                                      | 43                                                      | 74                                                       |
| 314                   | 135                  | 44                   | 97                                                       | 99                                                       | 97                                                       | 125                                                      | 100                                                      | 111                                                      | 124                                                      | 360                                                      | 44                                                      | 74                                                       |
| 315                   | *                    | 7                    | 98                                                       | 100                                                      | 95                                                       | 123                                                      | 101                                                      | 111                                                      | 121                                                      | 358                                                      | 44                                                      | 74                                                       |
| 316                   | 136                  | 30                   | 98                                                       | 99                                                       | 93                                                       | 121                                                      | 101                                                      | 110                                                      | 119                                                      | 353                                                      | 44                                                      | 74                                                       |
| 317                   | 136                  | 52                   | 96                                                       | 99                                                       | 96                                                       | 121                                                      | 96                                                       | 110                                                      | 119                                                      | 351                                                      | 44                                                      | 75                                                       |
| 318                   | 137                  | 12                   | 96                                                       | 98                                                       | 95                                                       | 120                                                      | 97                                                       | 109                                                      | 119                                                      | 349                                                      | 44                                                      | 74                                                       |
| 319                   | 137                  | 34                   | 96                                                       | 99                                                       | 95                                                       | 119                                                      | 97                                                       | 109                                                      | 121                                                      | 347                                                      | 43                                                      | 73                                                       |
| 320                   | *                    | 53                   | 96                                                       | 99                                                       | 96                                                       | 119                                                      | 97                                                       | 109                                                      | 118                                                      | 346                                                      | 44                                                      | 74                                                       |
| 321                   | 138                  | 17                   | 94                                                       | 96                                                       | 95                                                       | 119                                                      | 98                                                       | 109                                                      | 119                                                      | 342                                                      | 43                                                      | 78                                                       |
| 322                   | 138                  | 38                   | 80                                                       | 84                                                       | 89                                                       | 113                                                      | 97                                                       | 105                                                      | 113                                                      | 333                                                      | 44                                                      | 87                                                       |
| 323                   | *                    | 57                   | 70                                                       | 75                                                       | 82                                                       | 101                                                      | 93                                                       | 96                                                       | 101                                                      | 329                                                      | 46                                                      | 90                                                       |
| 324                   | 139                  | 21                   | 67                                                       | 71                                                       | 77                                                       | 93                                                       | 89                                                       | 88                                                       | 93                                                       | 325                                                      | 48                                                      | 86                                                       |
| 325                   | 139                  | 42                   | 65                                                       | 69                                                       | 74                                                       | 86                                                       | 85                                                       | 82                                                       | 84                                                       | 318                                                      | 51                                                      | 80                                                       |
| 326                   | *                    | 0                    | 66                                                       | 68                                                       | 71                                                       | 82                                                       | 81                                                       | 79                                                       | 80                                                       | 311                                                      | 48                                                      | 84                                                       |

| -01<br>SHEEP<br>COUNT | 9-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-15<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>3.80<br>DEC.C | 8-16<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>4.30<br>DEC.C | 8-17<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>5.00<br>DEC.C | 8-18<br>ENG.2<br>COMPRS<br>CSE<br>STG.4<br>9.00<br>DEC.C | 8-19<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>3.00<br>DEC.C | 8-20<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>4.30<br>DEC.C | 8-21<br>ENG.2<br>COMPRS<br>CSE<br>STG.5<br>6.00<br>DEC.C | 8-22<br>ENG.2<br>GAS GN<br>TURB<br>CASE<br>4.00<br>DEC.C | 8-23<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>INLET<br>DEC.C | 8-24<br>ENG.2<br>OIL<br>COOLER<br>AIR<br>OUTLET<br>DEC.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 327                   | 140                  | 24                   | 67                                                       | 68                                                       | 70                                                       | 81                                                       | 80                                                       | 76                                                       | 79                                                       | 306                                                      | 51                                                      | 83                                                       |
| 328                   | 140                  | 45                   | 67                                                       | 68                                                       | 70                                                       | 80                                                       | 70                                                       | 75                                                       | 77                                                       | 301                                                      | 51                                                      | 80                                                       |

MH-53C S/N 60-10854  
 DESERT TEST  
 9 JULY 1971  
 RUN NO. 8

| -31<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 32                    | 32                   | 27                   | 53                                                      | 51                                                      | 57                                                       |
| 33                    | 32                   | 40                   | 53                                                      | 51                                                      | 57                                                       |
| 34                    | 37                   | 10                   | 53                                                      | 51                                                      | 57                                                       |
| 35                    | 38                   | 1                    | 53                                                      | 51                                                      | 57                                                       |
| 36                    | 38                   | 26                   | 49                                                      | 47                                                      | 53                                                       |
| 37                    | 37                   | 50                   | 50                                                      | 48                                                      | 54                                                       |
| 38                    | 38                   | 11                   | *                                                       | 48                                                      | 54                                                       |
| 39                    | 30                   | 33                   | 50                                                      | 48                                                      | 53                                                       |
| 40                    | 30                   | 54                   | 49                                                      | 48                                                      | 53                                                       |
| 41                    | 39                   | 16                   | *                                                       | *                                                       | *                                                        |
| 42                    | 39                   | 37                   | 50                                                      | 48                                                      | 53                                                       |
| 43                    | 40                   | 36                   | 49                                                      | 48                                                      | 53                                                       |
| 44                    | 40                   | 20                   | *                                                       | *                                                       | *                                                        |
| 45                    | 40                   | 42                   | 50                                                      | 48                                                      | 53                                                       |
| 46                    | 41                   | 3                    | 49                                                      | 48                                                      | 53                                                       |
| 47                    | 41                   | 24                   | 40                                                      | *                                                       | *                                                        |
| 48                    | 41                   | 46                   | 49                                                      | 48                                                      | 53                                                       |
| 49                    | 40                   | 5                    | 49                                                      | 48                                                      | 53                                                       |
| 50                    | 42                   | 29                   | 50                                                      | 48                                                      | 54                                                       |
| 51                    | 42                   | 50                   | 48                                                      | 48                                                      | 54                                                       |
| 52                    | 43                   | 12                   | 48                                                      | 48                                                      | 53                                                       |
| 53                    | 43                   | 33                   | 49                                                      | 48                                                      | 54                                                       |
| 54                    | 43                   | 58                   | 50                                                      | 47                                                      | 40                                                       |
| 55                    | 44                   | 16                   | 51                                                      | 49                                                      | 54                                                       |
| 56                    | 44                   | 37                   | 49                                                      | 48                                                      | 53                                                       |
| 57                    | 44                   | 59                   | 50                                                      | 48                                                      | 53                                                       |
| 58                    | 45                   | 20                   | 50                                                      | 47                                                      | 53                                                       |
| 59                    | 45                   | 42                   | 49                                                      | 47                                                      | *                                                        |
| 60                    | 46                   | 4                    | 51                                                      | 52                                                      | 57                                                       |
| 61                    | 46                   | 25                   | 54                                                      | 52                                                      | 57                                                       |
| 62                    | 46                   | 46                   | 54                                                      | 52                                                      | 58                                                       |
| 63                    | 47                   | 7                    | 54                                                      | 52                                                      | 58                                                       |
| 64                    | *                    | 26                   | 55                                                      | 53                                                      | 58                                                       |
| 65                    | *                    | 47                   | 55                                                      | 53                                                      | 58                                                       |
| 66                    | 48                   | 10                   | 55                                                      | 53                                                      | 58                                                       |
| 67                    | 48                   | 31                   | 55                                                      | 53                                                      | 58                                                       |
| 68                    | 48                   | 52                   | 55                                                      | 53                                                      | 58                                                       |
| 69                    | 49                   | 14                   | 55                                                      | 53                                                      | 58                                                       |
| 70                    | 49                   | 39                   | 55                                                      | 53                                                      | 58                                                       |
| 71                    | 49                   | 56                   | 55                                                      | 53                                                      | 58                                                       |
| 72                    | 50                   | 14                   | 55                                                      | 53                                                      | 59                                                       |
| 73                    | 50                   | 30                   | 55                                                      | 53                                                      | 59                                                       |
| 74                    | 50                   | 59                   | 55                                                      | 54                                                      | 53                                                       |
| 75                    | 51                   | 20                   | 55                                                      | 53                                                      | 58                                                       |
| 76                    | 51                   | 41                   | 55                                                      | 53                                                      | 58                                                       |

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| -01<br>SHEEP<br>COUNT | 2-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-25<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG. C | 8-26<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG. C | 8-27<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG. C |
|-----------------------|----------------------|----------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|
| 77                    | 52                   | 2                    | 59                                                        | 53                                                        | 57                                                         |
| 78                    | •                    | 21                   | 94                                                        | 53                                                        | 58                                                         |
| 79                    | 52                   | 44                   | 55                                                        | 53                                                        | 58                                                         |
| 80                    | 53                   | 5                    | 55                                                        | 53                                                        | 58                                                         |
| 81                    | •                    | 24                   | 55                                                        | 54                                                        | 59                                                         |
| 82                    | 53                   | 40                   | 57                                                        | 54                                                        | 62                                                         |
| 83                    | •                    | 7                    | 58                                                        | 61                                                        | 67                                                         |
| 84                    | 54                   | 30                   | 74                                                        | 86                                                        | 97                                                         |
| 85                    | 54                   | 51                   | 103                                                       | 124                                                       | 137                                                        |
| 86                    | 55                   | 12                   | 137                                                       | 164                                                       | 175                                                        |
| 87                    | •                    | 31                   | 172                                                       | 201                                                       | 208                                                        |
| 88                    | 55                   | 55                   | 205                                                       | 234                                                       | 236                                                        |
| 89                    | 56                   | 16                   | 236                                                       | 262                                                       | 262                                                        |
| 90                    | 50                   | 37                   | 262                                                       | 286                                                       | 283                                                        |
| 91                    | 56                   | 58                   | 283                                                       | 304                                                       | 302                                                        |
| 92                    | 57                   | 19                   | 301                                                       | 310                                                       | 317                                                        |
| 93                    | 57                   | 40                   | 313                                                       | 327                                                       | 333                                                        |
| 94                    | 58                   | 1                    | 323                                                       | 337                                                       | 346                                                        |
| 95                    | 58                   | 22                   | 330                                                       | 348                                                       | 356                                                        |
| 96                    | •                    | 40                   | 334                                                       | 352                                                       | 362                                                        |
| 97                    | •                    | 1                    | 336                                                       | 355                                                       | 368                                                        |
| 98                    | 59                   | 24                   | 335                                                       | 352                                                       | 369                                                        |
| 99                    | 59                   | 45                   | 337                                                       | 358                                                       | 366                                                        |
| 100                   | 60                   | 6                    | 337                                                       | 348                                                       | 363                                                        |
| 101                   | 60                   | 27                   | 339                                                       | •                                                         | •                                                          |
| 102                   | 60                   | 48                   | 338                                                       | 344                                                       | 359                                                        |
| 103                   | 61                   | 9                    | 338                                                       | 342                                                       | 356                                                        |
| 104                   | 61                   | 31                   | 331                                                       | 339                                                       | 354                                                        |
| 105                   | 61                   | 52                   | 336                                                       | 338                                                       | 353                                                        |
| 106                   | •                    | 11                   | 332                                                       | 335                                                       | 351                                                        |
| 107                   | 62                   | 34                   | 331                                                       | 334                                                       | 349                                                        |
| 108                   | 62                   | 56                   | 330                                                       | 332                                                       | 340                                                        |
| 109                   | 63                   | 17                   | 331                                                       | 332                                                       | 347                                                        |
| 110                   | 63                   | 38                   | 331                                                       | 334                                                       | 346                                                        |
| 111                   | 63                   | 59                   | •                                                         | 336                                                       | 350                                                        |
| 112                   | 64                   | 21                   | 337                                                       | 339                                                       | 352                                                        |
| 113                   | 64                   | 42                   | 337                                                       | 338                                                       | 353                                                        |
| 114                   | 65                   | 3                    | 339                                                       | 340                                                       | 355                                                        |
| 115                   | 65                   | 24                   | 339                                                       | 340                                                       | 355                                                        |
| 116                   | 65                   | 46                   | 338                                                       | 339                                                       | 354                                                        |
| 117                   | 66                   | 7                    | 334                                                       | 338                                                       | 354                                                        |
| 118                   | 66                   | 28                   | 336                                                       | 338                                                       | 354                                                        |
| 119                   | 66                   | 49                   | 330                                                       | •                                                         | •                                                          |
| 120                   | 67                   | 11                   | 337                                                       | 333                                                       | 361                                                        |
| 121                   | 67                   | 32                   | 352                                                       | 345                                                       | 364                                                        |
| 122                   | 67                   | 53                   | 365                                                       | 362                                                       | 412                                                        |
| 123                   | 68                   | 15                   | 383                                                       | 380                                                       | 436                                                        |
| 124                   | 68                   | 36                   | 391                                                       | 395                                                       | 455                                                        |
| 125                   | 69                   | 57                   | 402                                                       | 407                                                       | 467                                                        |
| 126                   | 69                   | 18                   | 409                                                       | 415                                                       | 474                                                        |
|                       |                      |                      |                                                           | 426                                                       | 487                                                        |

| -01<br>SWEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-25<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>0.00<br>DEG.C | 0-26<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>0.00<br>DEG.C | 0-27<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>0.00<br>DEG.C |
|-----------------------|----------------------|----------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| 127                   | 69                   | 40                   | 417                                                      | 432                                                      | 495                                                      |
| 128                   | 70                   | 1                    | 421                                                      | 436                                                      | 499                                                      |
| 129                   | 70                   | 22                   | 424                                                      | 441                                                      | 505                                                      |
| 130                   | 70                   | 43                   | 429                                                      | 446                                                      | 510                                                      |
| 131                   | 71                   | 5                    | 433                                                      | 447                                                      | 512                                                      |
| 132                   | 71                   | 23                   | 437                                                      | 447                                                      | 512                                                      |
| 133                   | 71                   | 47                   | 436                                                      | 448                                                      | 513                                                      |
| 134                   | 72                   | 8                    | 434                                                      | 446                                                      | 513                                                      |
| 135                   | 72                   | 30                   | 433                                                      | 447                                                      | 513                                                      |
| 136                   | 72                   | 51                   | 433                                                      | 449                                                      | 515                                                      |
| 137                   | 73                   | 12                   | 435                                                      | 451                                                      | 514                                                      |
| 138                   | 73                   | 33                   | 436                                                      | 446                                                      | 516                                                      |
| 139                   | 73                   | 55                   | 443                                                      | 450                                                      | 520                                                      |
| 140                   | 74                   | 16                   | 443                                                      | 451                                                      | 520                                                      |
| 141                   | 74                   | 4                    | 448                                                      | 450                                                      | 519                                                      |
| 142                   | 75                   | 20                   | 444                                                      | 451                                                      | 517                                                      |
| 143                   | 75                   | 41                   | 442                                                      | 449                                                      | 518                                                      |
| 144                   | 75                   | 2                    | 443                                                      | 449                                                      | 517                                                      |
| 145                   | 76                   | 23                   | 443                                                      | 450                                                      | 518                                                      |
| 146                   | 76                   | 45                   | 443                                                      | 448                                                      | 517                                                      |
| 147                   | 77                   | 6                    | 441                                                      | 448                                                      | 517                                                      |
| 148                   | 77                   | 27                   | 441                                                      | 449                                                      | 518                                                      |
| 149                   | 77                   | 48                   | 444                                                      | 451                                                      | 518                                                      |
| 150                   | 77                   | 10                   | 446                                                      | 453                                                      | 519                                                      |
| 151                   | 78                   | 31                   | 451                                                      | 456                                                      | 519                                                      |
| 152                   | 78                   | 52                   | 452                                                      | 458                                                      | 523                                                      |
| 153                   | 78                   | 11                   | 452                                                      | 456                                                      | 520                                                      |
| 154                   | 79                   | 35                   | 455                                                      | 461                                                      | 517                                                      |
| 155                   | 79                   | 56                   | 458                                                      | 462                                                      | 516                                                      |
| 156                   | 79                   | 15                   | 459                                                      | 461                                                      | 516                                                      |
| 157                   | 80                   | 36                   | 460                                                      | 461                                                      | 520                                                      |
| 158                   | 81                   | 0                    | 461                                                      | 461                                                      | 520                                                      |
| 159                   | 81                   | 21                   | 456                                                      | 457                                                      | 518                                                      |
| 160                   | 81                   | 43                   | 461                                                      | 460                                                      | 517                                                      |
| 161                   | 81                   | 4                    | 455                                                      | 457                                                      | 517                                                      |
| 162                   | 82                   | 25                   | 454                                                      | 453                                                      | 520                                                      |
| 163                   | 82                   | 47                   | 457                                                      | 453                                                      | 521                                                      |
| 164                   | 82                   | 6                    | 457                                                      | 455                                                      | 522                                                      |
| 165                   | 83                   | 29                   | 457                                                      | 459                                                      | 521                                                      |
| 166                   | 83                   | 51                   | 456                                                      | 455                                                      | 523                                                      |
| 167                   | 83                   | 12                   | 454                                                      | 454                                                      | 525                                                      |
| 168                   | 84                   | 33                   | 455                                                      | 456                                                      | 520                                                      |
| 169                   | 84                   | 55                   | 457                                                      | 457                                                      | 523                                                      |
| 170                   | 85                   | 16                   | 459                                                      | 459                                                      | 535                                                      |
| 171                   | 85                   | 37                   | 463                                                      | 463                                                      | 536                                                      |
| 172                   | 85                   | 59                   | 460                                                      | 462                                                      | 538                                                      |
| 173                   | 85                   | 20                   | 464                                                      | 462                                                      | 538                                                      |
| 174                   | 86                   | 41                   | 463                                                      | 463                                                      | 538                                                      |
| 175                   | 86                   | 3                    | 463                                                      | 463                                                      | 540                                                      |

| -01<br>SWEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEG.C |
|-----------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| 177                   | 87                   | 24                   | 464                                                     | 462                                                     | 540                                                     |
| 178                   | 87                   | 46                   | 464                                                     | 461                                                     | 540                                                     |
| 179                   | 88                   | 7                    | 464                                                     | 461                                                     | 540                                                     |
| 180                   | 88                   | 29                   | 460                                                     | 460                                                     | 534                                                     |
| 181                   | 88                   | 50                   | 461                                                     | 462                                                     | 539                                                     |
| 182                   | 89                   | 11                   | 461                                                     | 461                                                     | 539                                                     |
| 183                   | 89                   | 33                   | 463                                                     | 468                                                     | 538                                                     |
| 184                   | 89                   | 54                   | 464                                                     | 466                                                     | 531                                                     |
| 185                   | 90                   | 15                   | 463                                                     | 461                                                     | 523                                                     |
| 186                   | 90                   | 36                   | 455                                                     | 459                                                     | *                                                       |
| 187                   | *                    | 55                   | 444                                                     | 442                                                     | 517                                                     |
| 188                   | 91                   | 19                   | 428                                                     | 427                                                     | 508                                                     |
| 189                   | 91                   | 40                   | 413                                                     | 413                                                     | 497                                                     |
| 190                   | 92                   | 1                    | 401                                                     | 403                                                     | 485                                                     |
| 191                   | 92                   | 22                   | 390                                                     | 393                                                     | 475                                                     |
| 192                   | 92                   | 43                   | 381                                                     | 387                                                     | 468                                                     |
| 193                   | *                    | 1                    | 372                                                     | 385                                                     | 459                                                     |
| 194                   | 93                   | 25                   | 365                                                     | 384                                                     | 445                                                     |
| 195                   | 93                   | 43                   | 368                                                     | 383                                                     | 435                                                     |
| 196                   | 94                   | 7                    | 360                                                     | 383                                                     | 432                                                     |
| 197                   | 94                   | 28                   | 363                                                     | 383                                                     | 427                                                     |
| 198                   | 94                   | 50                   | 371                                                     | 401                                                     | 435                                                     |
| 199                   | 95                   | 11                   | 385                                                     | 423                                                     | 459                                                     |
| 200                   | 95                   | 32                   | 394                                                     | 445                                                     | 481                                                     |
| 201                   | *                    | 51                   | 412                                                     | 460                                                     | 495                                                     |
| 202                   | 96                   | 15                   | 423                                                     | 471                                                     | 503                                                     |
| 203                   | 96                   | 36                   | 433                                                     | 479                                                     | 511                                                     |
| 204                   | 96                   | 58                   | 441                                                     | 484                                                     | 516                                                     |
| 205                   | 97                   | 19                   | 444                                                     | 488                                                     | 514                                                     |
| 206                   | 97                   | 40                   | 449                                                     | 489                                                     | 520                                                     |
| 207                   | 98                   | 2                    | 452                                                     | 492                                                     | 522                                                     |
| 208                   | 98                   | 23                   | 458                                                     | 494                                                     | 523                                                     |
| 209                   | 98                   | 44                   | 459                                                     | 494                                                     | 522                                                     |
| 210                   | 99                   | 6                    | 464                                                     | 492                                                     | 519                                                     |
| 211                   | 99                   | 27                   | 466                                                     | 491                                                     | 518                                                     |
| 212                   | 99                   | 48                   | 470                                                     | 491                                                     | 517                                                     |
| 213                   | 100                  | 10                   | 472                                                     | 490                                                     | 516                                                     |
| 214                   | 100                  | 31                   | 469                                                     | 488                                                     | 516                                                     |
| 215                   | 100                  | 52                   | 470                                                     | 490                                                     | 514                                                     |
| 216                   | *                    | 13                   | 474                                                     | 490                                                     | 512                                                     |
| 217                   | 101                  | 35                   | 474                                                     | 490                                                     | 512                                                     |
| 218                   | 101                  | 56                   | 476                                                     | 489                                                     | 511                                                     |
| 219                   | 102                  | 14                   | 473                                                     | 491                                                     | 511                                                     |
| 220                   | *                    | 37                   | 476                                                     | 490                                                     | 509                                                     |
| 221                   | 103                  | 1                    | 477                                                     | 491                                                     | 509                                                     |
| 222                   | 103                  | 22                   | 469                                                     | 489                                                     | 506                                                     |
| 223                   | *                    | 41                   | 468                                                     | 490                                                     | 505                                                     |
| 224                   | 104                  | 5                    | 471                                                     | 491                                                     | 508                                                     |
| 225                   | 104                  | 26                   | 472                                                     | 489                                                     | 505                                                     |
| 226                   | *                    | 45                   | 474                                                     | 489                                                     | 509                                                     |

| 0-01<br>SHEEP<br>COUNT | 0-02<br>TIME<br>MIN. | 0-03<br>TIME<br>SEC. | 0-25<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEC. C | 0-20<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>8.00<br>DEC. C | 0-27<br>ENG. 2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEC. C |
|------------------------|----------------------|----------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|
| 227                    | 105                  | 9                    | 473                                                       | 491                                                       | 507                                                        |
| 228                    | 105                  | 50                   | 477                                                       | 491                                                       | 510                                                        |
| 229                    | 105                  | 51                   | 481                                                       | 494                                                       | 513                                                        |
| 230                    | 105                  | 18                   | 484                                                       | 495                                                       | 513                                                        |
| 231                    | 103                  | 34                   | 481                                                       | 494                                                       | 511                                                        |
| 232                    | 106                  | 58                   | 477                                                       | 493                                                       | 511                                                        |
| 233                    | 107                  | 17                   | 479                                                       | 493                                                       | 512                                                        |
| 234                    | 107                  | 38                   | 483                                                       | 495                                                       | 512                                                        |
| 235                    | 107                  | 59                   | 485                                                       | 497                                                       | 513                                                        |
| 236                    | 108                  | 21                   | 487                                                       | 497                                                       | 513                                                        |
| 237                    | 108                  | 40                   | 490                                                       | 497                                                       | 516                                                        |
| 238                    | 109                  | 3                    | 492                                                       | 495                                                       | 518                                                        |
| 239                    | 109                  | 23                   | 491                                                       | 497                                                       | 518                                                        |
| 240                    | 109                  | 46                   | 490                                                       | 497                                                       | 518                                                        |
| 241                    | 110                  | 7                    | 489                                                       | 497                                                       | 518                                                        |
| 242                    | 110                  | 29                   | 492                                                       | 498                                                       | 517                                                        |
| 243                    | 110                  | 50                   | 490                                                       | 495                                                       | 515                                                        |
| 244                    | 111                  | 12                   | 490                                                       | 496                                                       | 515                                                        |
| 245                    | 111                  | 33                   | 490                                                       | 495                                                       | 515                                                        |
| 246                    | 111                  | 54                   | 489                                                       | 494                                                       | 515                                                        |
| 247                    | 112                  | 16                   | 484                                                       | 492                                                       | 513                                                        |
| 248                    | 112                  | 37                   | 488                                                       | 491                                                       | 511                                                        |
| 249                    | 112                  | 58                   | 487                                                       | 495                                                       | 510                                                        |
| 250                    | 113                  | 20                   | 484                                                       | 499                                                       | 510                                                        |
| 251                    | 113                  | 38                   | 471                                                       | 478                                                       | 511                                                        |
| 252                    | 114                  | 59                   | 459                                                       | 470                                                       | 497                                                        |
| 253                    | 114                  | 20                   | 441                                                       | 452                                                       | 473                                                        |
| 254                    | 114                  | 44                   | 427                                                       | 432                                                       | 448                                                        |
| 255                    | 115                  | 5                    | 411                                                       | 412                                                       | 426                                                        |
| 256                    | 115                  | 24                   | 394                                                       | 394                                                       | 414                                                        |
| 257                    | 115                  | 47                   | 387                                                       | 388                                                       | 407                                                        |
| 258                    | 115                  | 6                    | 380                                                       | 385                                                       | 406                                                        |
| 259                    | 116                  | 30                   | 375                                                       | 387                                                       | 427                                                        |
| 260                    | 116                  | 51                   | 388                                                       | 404                                                       | 495                                                        |
| 261                    | 117                  | 12                   | 403                                                       | 420                                                       | 467                                                        |
| 262                    | 117                  | 33                   | 414                                                       | 429                                                       | 479                                                        |
| 263                    | 117                  | 54                   | 423                                                       | 432                                                       | 492                                                        |
| 264                    | 118                  | 15                   | 426                                                       | 429                                                       | 487                                                        |
| 265                    | 118                  | 36                   | 415                                                       | 413                                                       | 473                                                        |
| 266                    | 118                  | 57                   | 398                                                       | 403                                                       | 464                                                        |
| 267                    | 118                  | 16                   | 379                                                       | 388                                                       | 455                                                        |
| 268                    | 119                  | 39                   | 365                                                       | 379                                                       | 447                                                        |
| 269                    | 120                  | 0                    | 360                                                       | 376                                                       | 438                                                        |
| 270                    | 120                  | 14                   | 369                                                       | 371                                                       | 432                                                        |
| 271                    | 120                  | 42                   | 361                                                       | 355                                                       | 422                                                        |
| 272                    | 121                  | 3                    | 334                                                       | 349                                                       | 417                                                        |
| 273                    | 121                  | 24                   | 332                                                       | 348                                                       | 416                                                        |
| 274                    | 121                  | 45                   | 330                                                       | 349                                                       | 415                                                        |
| 275                    | 122                  | 6                    | 328                                                       | 351                                                       | 413                                                        |
| 276                    | 122                  | 25                   | 332                                                       | 352                                                       | 413                                                        |



| 8-01<br>SHEEP<br>COUNT | 8-02<br>TIME<br>MIN. | 8-03<br>TIME<br>SEC. | 8-25<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-26<br>ENG.2<br>POWER<br>TURB<br>CASE<br>4.00<br>DEG.C | 8-27<br>ENG.2<br>POWER<br>TURB<br>CASE<br>12.00<br>DEG.C |
|------------------------|----------------------|----------------------|---------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------|
| 277                    | 122                  | 48                   | 329                                                     | 356                                                     | 415                                                      |
| 278                    | 123                  | 9                    | 309                                                     | 374                                                     | 415                                                      |
| 279                    | 123                  | 30                   | 321                                                     | 368                                                     | 407                                                      |
| 280                    | 123                  | 52                   | 332                                                     | 376                                                     | 403                                                      |
| 281                    | 124                  | 13                   | 339                                                     | 381                                                     | 413                                                      |
| 282                    | 124                  | 34                   | 345                                                     | 380                                                     | 427                                                      |
| 283                    | 124                  | 55                   | 351                                                     | 379                                                     | 433                                                      |
| 284                    | 125                  | 16                   | 353                                                     | 377                                                     | 434                                                      |
| 285                    | 125                  | 37                   | 351                                                     | 374                                                     | 434                                                      |
| 286                    | 125                  | 56                   | 351                                                     | 372                                                     | 441                                                      |
| 287                    | 126                  | 19                   | 356                                                     | 376                                                     | 452                                                      |
| 288                    | 126                  | 40                   | 362                                                     | 375                                                     | 457                                                      |
| 289                    | 127                  | 1                    | 360                                                     | 374                                                     | 452                                                      |
| 290                    | 127                  | 22                   | 358                                                     | 374                                                     | 447                                                      |
| 291                    | 127                  | 43                   | 354                                                     | 373                                                     | 447                                                      |
| 292                    | 127                  | 2                    | 323                                                     | 384                                                     | 436                                                      |
| 293                    | *                    | 2                    | 294                                                     | 289                                                     | 419                                                      |
| 294                    | *                    | 42                   | 286                                                     | 383                                                     | 407                                                      |
| 295                    | *                    | 3                    | 302                                                     | 367                                                     | 400                                                      |
| 296                    | 129                  | 27                   | 317                                                     | 364                                                     | 412                                                      |
| 297                    | 129                  | 46                   | 332                                                     | 369                                                     | 426                                                      |
| 298                    | 130                  | 9                    | 342                                                     | 372                                                     | 438                                                      |
| 299                    | 130                  | 31                   | 343                                                     | 375                                                     | 444                                                      |
| 300                    | 130                  | 52                   | 354                                                     | 376                                                     | 449                                                      |
| 301                    | 131                  | 13                   | 355                                                     | 385                                                     | 449                                                      |
| 302                    | 131                  | 34                   | 355                                                     | 390                                                     | 441                                                      |
| 303                    | 131                  | 55                   | 315                                                     | 389                                                     | 431                                                      |
| 304                    | 132                  | 16                   | 313                                                     | 381                                                     | 422                                                      |
| 305                    | 132                  | 37                   | 319                                                     | 376                                                     | 414                                                      |
| 306                    | 132                  | 58                   | 332                                                     | 388                                                     | 420                                                      |
| 307                    | 133                  | 20                   | 350                                                     | 407                                                     | 440                                                      |
| 308                    | 133                  | 41                   | 368                                                     | 419                                                     | 461                                                      |
| 309                    | 134                  | 2                    | 375                                                     | 423                                                     | 477                                                      |
| 310                    | 134                  | 23                   | 384                                                     | 427                                                     | 467                                                      |
| 311                    | 134                  | 45                   | 395                                                     | 420                                                     | 448                                                      |
| 312                    | 135                  | 3                    | 378                                                     | 403                                                     | 427                                                      |
| 313                    | 135                  | 27                   | 369                                                     | 389                                                     | 410                                                      |
| 314                    | 135                  | 48                   | 361                                                     | 376                                                     | 394                                                      |
| 315                    | *                    | 7                    | 357                                                     | 372                                                     | 385                                                      |
| 316                    | 136                  | 30                   | 354                                                     | 365                                                     | 376                                                      |
| 317                    | 136                  | 52                   | 347                                                     | 359                                                     | 369                                                      |
| 318                    | 137                  | 13                   | 344                                                     | 356                                                     | 364                                                      |
| 319                    | 137                  | 36                   | 341                                                     | 349                                                     | 359                                                      |
| 320                    | *                    | 55                   | 339                                                     | 347                                                     | 355                                                      |
| 321                    | 138                  | 17                   | 339                                                     | *                                                       | 355                                                      |
| 322                    | 134                  | 34                   | 342                                                     | 349                                                     | 360                                                      |
| 323                    | *                    | 57                   | 344                                                     | 348                                                     | 355                                                      |
| 324                    | 139                  | 21                   | 339                                                     | 340                                                     | 346                                                      |
| 325                    | 139                  | 40                   | 330                                                     | 330                                                     | 334                                                      |
| 326                    | *                    | 6                    | 321                                                     | 319                                                     | 324                                                      |

